

## ARG42269 anti-CD123 / IL3RA antibody [6H6] (Biotin)

Package: 50 µg  
Store at: 4°C

### Summary

|                     |                                                                                                                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Biotin-conjugated Mouse Monoclonal antibody [6H6] recognizes CD123 / IL3RA                                                                                                                                                                                                                                                            |
| Tested Reactivity   | Hu                                                                                                                                                                                                                                                                                                                                    |
| Tested Application  | FACS, IHC-Fr, IP, WB                                                                                                                                                                                                                                                                                                                  |
| Specificity         | The mouse monoclonal antibody 6H6 recognizes an extracellular epitope of CD123 (interleukin 3 receptor alpha), a 60-70 kDa transmembrane protein expressed by myeloid precursors, megakaryocytes, macrophages, dendritic cells, mast cells, basophils, and some B cells. This antibody does not inhibit IL-3 binding to its receptor. |
| Host                | Mouse                                                                                                                                                                                                                                                                                                                                 |
| Clonality           | Monoclonal                                                                                                                                                                                                                                                                                                                            |
| Clone               | 6H6                                                                                                                                                                                                                                                                                                                                   |
| Isotype             | IgG1                                                                                                                                                                                                                                                                                                                                  |
| Target Name         | CD123 / IL3RA                                                                                                                                                                                                                                                                                                                         |
| Species             | Human                                                                                                                                                                                                                                                                                                                                 |
| Immunogen           | IL3 receptor alpha chain expressed on the surface of transiently transfected COS cells.                                                                                                                                                                                                                                               |
| Conjugation         | Biotin                                                                                                                                                                                                                                                                                                                                |
| Alternate Names     | IL-3R subunit alpha; CD123; CD antigen CD123; IL3RAY; IL-3R-alpha; IL3RY; IL3RX; IL3R; IL-3RA; IL-3 receptor subunit alpha; hIL-3Ra; Interleukin-3 receptor subunit alpha                                                                                                                                                             |

### Application Instructions

| Application table | Application | Dilution        |
|-------------------|-------------|-----------------|
|                   | FACS        | 1 - 12 µg/ml    |
|                   | IHC-Fr      | Assay-dependent |
|                   | IP          | Assay-dependent |
|                   | WB          | Assay-dependent |

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

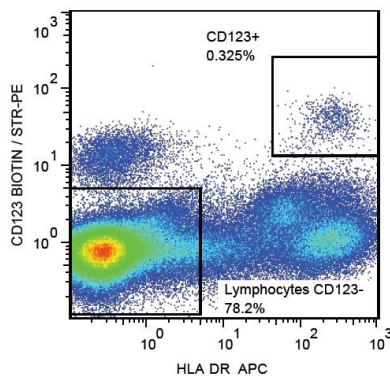
|              |                             |
|--------------|-----------------------------|
| Form         | Liquid                      |
| Purification | Purified                    |
| Buffer       | PBS and 15 mM Sodium azide. |
| Preservative | 15 mM Sodium azide          |

|                     |                                                                                                                                                                                                                              |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Concentration       | 1 mg/ml                                                                                                                                                                                                                      |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                         |

## Bioinformation

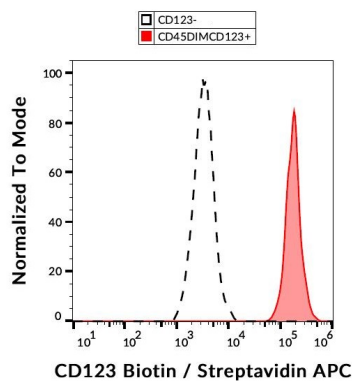
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol           | IL3RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Full Name        | interleukin 3 receptor, alpha (low affinity)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background            | The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found. [provided by RefSeq, Jun 2012] |
| Function              | This is a receptor for interleukin-3. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Calculated Mw         | 43 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cellular Localization | Membrane; Single-pass type I membrane protein. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Images



ARG42269 anti-CD123 / IL3RA antibody [6H6] (Biotin) FACS image

Flow Cytometry: Human peripheral blood stained with ARG42269 anti-CD123 / IL3RA antibody [6H6] (Biotin), followed by Streptavidin-PE. Samples were co-stained with anti-HLA DR antibody (APC).



ARG42269 anti-CD123 / IL3RA antibody [6H6] (Biotin) FACS image

Flow Cytometry: Human peripheral blood stained with ARG42269 anti-CD123 / IL3RA antibody [6H6] (Biotin), followed by Streptavidin-APC.