

ARG62894
anti-CD56 / NCAM antibody [MEM-188]Package: 100 µg
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Mouse Monoclonal antibody [MEM-188] recognizes CD56 / NCAM |
| Tested Reactivity | Hu, NHuPrm |
| Tested Application | FACS, ICC/IF, IHC-P, IP |
| Specificity | The clone MEM-188 reacts with a 180 kDa isoform of CD56 (NCAM) expressed in leukocytes. It has been suggested that the antibody MEM-188 could react with rhesus monkey lymphocytes. Reactivity with other NCAM isoforms has not been tested. HLDA VI; WS code A055 HLDA VI; WS Code NK26 HLDA VII; WS code 70077 |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | MEM-188 |
| Isotype | IgG2a |
| Target Name | CD56 / NCAM |
| Species | Human |
| Immunogen | KG-1 human acute myelogenous leukemia cell line |
| Conjugation | Un-conjugated |
| Alternate Names | CD56; NCAM; CD antigen CD56; N-CAM-1; MSK39; NCAM-1; Neural cell adhesion molecule 1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | FACS | 3 µg/ml |
| | ICC/IF | 1:50 - 1:100 |
| | IHC-P | 1:50 |
| | IP | Assay-dependent |
| Application Note | IHC-P: Pretreatment: Heat retrieval (microwave oven) in citrate buffer, standard ABC visualization. Staining technique: Standard ABC technique (DAB+). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | IHC-P: Positive membrane-specific reaction in adjacent peripheral nerve staining of paraprostatic autonomic ganglion. | |

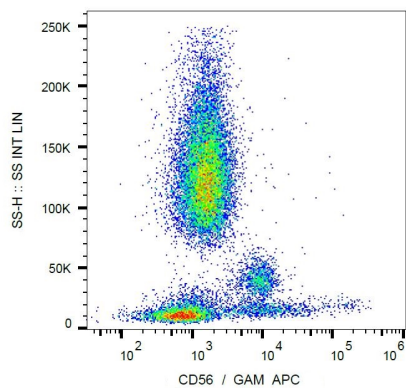
Properties

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|------|--------|
| Form | Liquid |
|------|--------|

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|---------------------|--|
| Purification | Purified from hybridoma culture supernatant by protein A-affinity chromatography. |
| Purity | > 95% (by SDS-PAGE) |
| Buffer | PBS (pH 7.4) and 15 mM Sodium azide |
| Preservative | 15 mM Sodium azide |
| Concentration | 1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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

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|----------------|---|
| Database links | GeneID: 4684 Human Swiss-port # P13591 Human |
| Gene Symbol | NCAM1 |
| Gene Full Name | neural cell adhesion molecule 1 |
| Background | CD56 (NCAM, neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumours. |
| Function | This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc. [UniProt] |
| Highlight | Related products: CD56 antibodies ; CD56 ELISA Kits ; CD56 Duos / Panels ; Anti-Mouse IgG secondary antibodies ; Related news: Lymphoma Tumor-Infiltrating Lymphocytes (TILs) |
| Research Area | Developmental Biology antibody; Neuroscience antibody; General Lymphocyte Marker Study antibody; Natural killer cells antibody |
| Calculated Mw | 95 kDa |



ARG62894 anti-CD56 / NCAM antibody [MEM-188] FACS image

Flow Cytometry: Human peripheral blood lymphocytes stained with ARG62894 anti-CD56 / NCAM antibody [MEM-188], followed by incubation with APC labelled Goat anti-Mouse secondary antibody.