

ARG22824 anti-CD52 antibody [YTH34.5] (low endotoxin)

Package: 250 µg
Store at: -20°C

Summary

| | |
|----------------------------|--|
| Product Description | Azide free and low endotoxin Rat Monoclonal antibody [YTH34.5] recognizes CD52 Rat anti Human CD52 antibody, clone YTH34.5 reacts with the human CD52 antigen, also known as CAMPATH-1. The CD52 antigen is a remarkably small but heavily glycosylated peptide attached to the cell surface membrane via a GPI link (Xia et al. 1991). The apparent molecular mass of the native antigen on SDS-PAGE is 25-29kDa, considerably reduced following N-glycanase treatment (Rowan et al. 1998). CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable. Humanised versions of CAMPATH-1 specific antibodies are currently in clinical trials for the treatment of a range of lymphoid malignancies (Dearden et al. 2002; Pettitt et al. 2012). |
| Tested Reactivity | Hu, R. Mk |
| Tested Application | ELISA, FACS, IHC-Fr, IHC-P, IHC-R, IP, WB |
| Host | Rat |
| Clonality | Monoclonal |
| Clone | YTH34.5 |
| Isotype | IgG2b |
| Target Name | CD52 |
| Species | Human |
| Immunogen | Human lymphocytes. |
| Conjugation | Un-conjugated |
| Alternate Names | He5; CAMPATH-1 antigen; Human epididymis-specific protein 5; Cambridge pathology 1 antigen; CDw52; Epididymal secretory protein E5; CDW52; CD antigen CD52 |

Application Instructions

| | | |
|--------------------------|-------------|-----------------|
| Application table | Application | Dilution |
| | ELISA | Assay-dependent |
| | FACS | 1:20 |
| | IHC-Fr | 1:20 |
| | IHC-P | Assay-dependent |
| | IHC-R | Assay-dependent |
| | IP | Assay-dependent |
| | WB | Assay-dependent |

Application Note FACS: use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

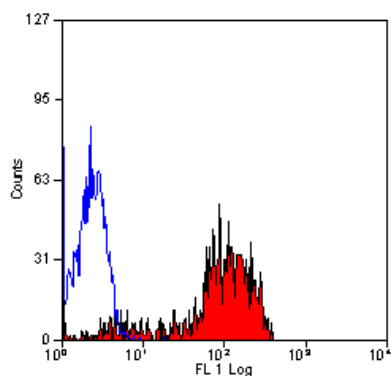
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Purification with Protein A. |
| Purification Note | Low endotoxin |
| Buffer | PBS |
| 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

| | |
|----------------|---|
| Gene Symbol | CD52 |
| Gene Full Name | CD52 molecule |
| Function | May play a role in carrying and orienting carbohydrate, as well as having a more specific role. [UniProt] |
| Calculated Mw | 7 kDa |

Images



ARG22824 anti-CD52 antibody [YTH34.5] (low endotoxin) FACS image

Flow Cytometry: Human peripheral blood lymphocytes stained with ARG22824 anti-CD52 antibody [YTH34.5] (low endotoxin).