

ARG23345 anti-CD53 antibody [TS53] (azide free)

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Azide free Mouse Monoclonal antibody [TS53] recognizes CD53 |
| Tested Reactivity | Hu |
| Tested Application | FACS, IP, WB |
| Specificity | This antibody recognizes the MEM-53 antigen, a 30-50 kDa (smear) protein. |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | TS53 |
| Isotype | IgG1 |
| Target Name | CD53 |
| Species | Human |
| Immunogen | Jurkat cell line |
| Conjugation | Un-conjugated |
| Alternate Names | Tetraspanin-25; Leukocyte surface antigen CD53; Tspan-25; Cell surface glycoprotein CD53; CD antigen CD53; MOX44; TSPAN25 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | FACS | Assay-dependent |
| | IP | Assay-dependent |
| | WB | Assay-dependent |
| Application Note | WB: Under non-reducing conditions. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Observed Size | 30-40 kDa | |

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification Note | Sterile-filtered through 0.22 µm. |
| Buffer | PBS |
| 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 CD53

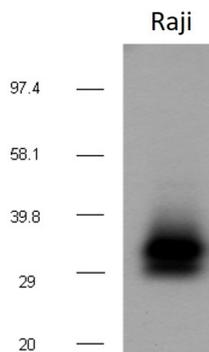
Gene Full Name CD53 molecule

Background The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

Function Required for efficient formation of myofibers in regenerating muscle at the level of cell fusion. May be involved in growth regulation in hematopoietic cells (By similarity). [UniProt]

Calculated Mw 24 kDa

Images



ARG23345 anti-CD53 antibody [TS53] (azide free) WB image

Western blot: Raji cells were lysed (lysis buffer containing 1% Brij97 or triton) and stained with ARG23345 anti-CD53 antibody [TS53] (azide free) under non-reducing conditions.