

ARG53825 anti-CD30 antibody [MEM-268] (PE)

Package: 100 tests
Store at: 4°C

Summary

| | |
|---------------------|--|
| Product Description | PE-conjugated Mouse Monoclonal antibody [MEM-268] recognizes CD30 |
| Tested Reactivity | Hu |
| Tested Application | FACS |
| Specificity | The clone MEM-268 recognizes extracellular part of CD30 (Ki-1 antigen), a 105 kDa single chain glycoprotein expressed on Hodgkin's and Reed-Sternberg cells; it is also found in Burkitt's lymphomas, virus-infected T and B lymphocytes, and on normal B and T lymphocytes after activation (T lymphocytes that produce Th2-type cytokines and on CD4+/CD8+ T lymphocytes that co-express CD45RO and the IL4 receptor). |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | MEM-268 |
| Isotype | IgG |
| Target Name | CD30 |
| Immunogen | Expression vector containing CD30 cDNA (booster suspension of THP-1 cell line) |
| Conjugation | PE |
| Alternate Names | Tumor necrosis factor receptor superfamily member 8; Ki-1 antigen; CD30; Ki-1; Lymphocyte activation antigen CD30; CD antigen CD30; D1S166E; CD30L receptor |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|-------------------------------|
| | FACS | 20 µl / 10 ⁶ cells |

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

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification Note | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary. |
| Buffer | PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA |
| Preservative | 15 mM Sodium azide |
| Stabilizer | 0.2% (w/v) high-grade protease free BSA |
| 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

Database links

[GeneID: 943 Human](#)

[Swiss-port # P28908 Human](#)

Gene Symbol

TNFRSF8

Gene Full Name

tumor necrosis factor receptor superfamily, member 8

Background

CD30 is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Function

CD30 is a receptor for TNFSF8/CD30L (PubMed:8391931). May play a role in the regulation of cellular growth and transformation of activated lymphoblasts. Regulates gene expression through activation of NF-kappa-B (PubMed:8999898). [UniProt]

Research Area

Cancer antibody; Immune System antibody

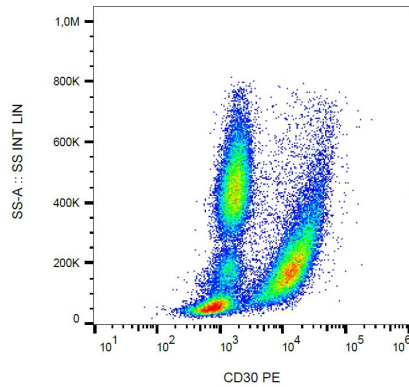
Calculated Mw

64 kDa

PTM

Phosphorylated on serine and tyrosine residues.

Images



ARG53825 anti-CD30 antibody [MEM-268] (PE) FACS image

Flow Cytometry: K562 cells added to Human blood. Cells were stained with ARG53825 anti-CD30 antibody [MEM-268] (PE).