

Datasheet for ABIN2749050
anti-CD2 antibody

2 Images



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Overview

Quantity:	100 µg
Target:	CD2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD2 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD2 Purified
Immunogen:	Cytotoxic T lymphocytes
Clone:	TS1-8
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody TS1/8 recognizes an extracellular epitope of CD2, a 50 kDa glycoprotein present on the human peripheral blood T lymphocytes and NK cells, also expressed by all thymocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

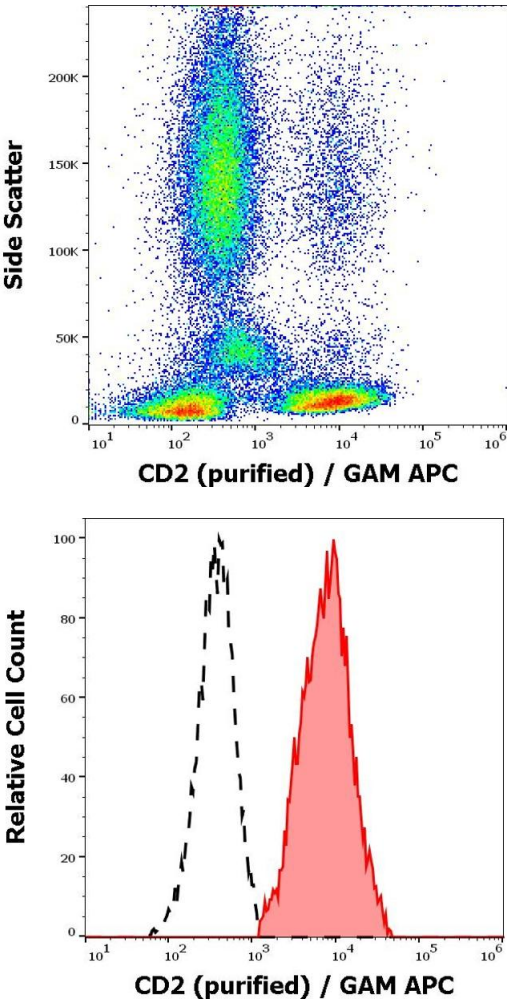
Target:	CD2
Alternative Name:	CD2 (CD2 Products)
Background:	CD2 Molecule,CD2 belongs to T lymphocyte glycoproteins of immunoglobulin superfamily. Its interaction with CD58 stabilizes adhesion between T cells and antigen presenting or target cells. Relatively low affinity of CD2 to CD58 (as measured in solution) is compensated within the two-dimensional cell-cell interface to provide tight adhesion. Moreover, T cell activation induces increased CD2 expression and its lateral mobility, making easier contact between CD2 and CD58. Subsequently, T cell activation causes fixation of CD58-CD2 at sites of cell-cell contact, thereby strengthening intercellular adhesion. CD2 deficiency reduces intestinal inflammation and helps to control infection.,T11, LFA-2, SRBC
Gene ID:	914
UniProt:	P06729

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral blood stained using anti-human CD2 (TS1/8) purified antibody (concentration in sample 4 µg/mL) GAM APC.

Flow Cytometry

Image 2. Separation of human CD2 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD2 (TS1/8) purified antibody (concentration in sample 4 µg/mL) GAM APC.