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anti-CD2 antibody

Images

Publication



Overview

Quantity:	0.1 mg
Target:	CD2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD2 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

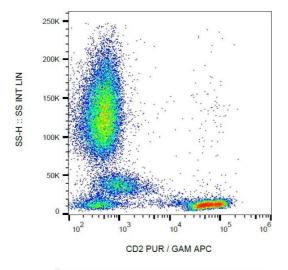
Immunogen:	Normal human blood lymphocytes.
Clone:	LT2
Isotype:	lgG2b
Specificity:	The antibody LT2 reacts with an extracellular epitope of CD2, a 50 kDa glycoprotein present on the human peripheral blood T lymphocytes and NK cells, also expressed by all thymocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 80 % (by SDS-PAGE)

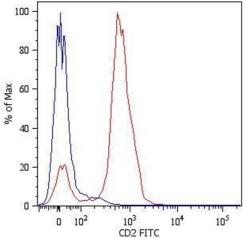
Target Details

Target: CD2

Target Details

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 CD
	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.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.
Publications	
Product cited in:	Gannon, Rhind, Suzui, Zamecnik, Sabiston, Shek, Shephard: "beta-Endorphin and natural killer
	cell cytolytic activity during prolonged exercise. is there a connection?" in: The American
	journal of physiology, Vol. 275, Issue 6 Pt 2, pp. R1725-34, (1999) (PubMed).





Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD2 (LT2) purified, GAM-APC.

Flow Cytometry

Image 2. Surface staining of human peripheral blood cells with anti-human CD2 (LT2) FITC. Cells in the lymphocyte gate were used for analysis.