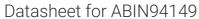
antibodies -online.com







anti-CD46 antibody

3 Images

8

Publications



Go to Product page

Overview

Quantity:	0.1 mg
Target:	CD46
Reactivity:	Human, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD46 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen:	HPB-ALL human T cell line
Clone:	MEM-258
Isotype:	lgG1
Specificity:	The antibody MEM-258 recognizes an extracellular epitope on SCR4 (the membrane-proximal SCR) domain of CD46 (Membrane cofactor protein). CD46 is 56-66 kDa dimeric transmembrane protein expressed on T and B lymphocytes, platelets, monocytes, granulocytes, endothelial cells, epithelial cells and fibroblast, it is negative on erythrocytes.
Cross-Reactivity (Details):	Human, Bovine
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	CD46
Alternative Name:	CD46 (CD46 Products)
Background:	CD46 Molecule,CD46 (MCP, membrane cofactor protein) is a multifunctional cell surface
	transmembrane protein that binds and inactivates C3b and C4b complement fragments,
	regulates T cell-induced inflammatory responses by either inhibiting (CD46-1 isoform) or
	increasing (CD46-2 isoform) the contact hypersensitivity reaction. CD46 also serves as a
	receptor for several human pathogens (both bacteria and viruses), and its ligation alteres T
	lymphocyte polarization toward antigen-presenting cells or target cells, inhibiting lymphocyte
	function. CD46 is a protector of placental tissue and is also expressed on the inner acrosoma
	membrane of spermatozoa.,MCP, TLX, AHUS2, MIC10, MGC26544
Gene ID:	4179
UniProt:	P15529
Pathways:	Regulation of Actin Filament Polymerization
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1 µg/mL.
	Western blotting: Non-reducing conditions.
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.

Product cited in:

Kälin, Amstutz, Gastaldelli, Wolfrum, Boucke, Havenga, DiGennaro, Liska, Hemmi, Greber: "Macropinocytotic uptake and infection of human epithelial cells with species B2 adenovirus type 35." in: **Journal of virology**, Vol. 84, Issue 10, pp. 5336-50, (2010) (PubMed).

Wang, Tuve, Erdman, Lieber: "Receptor usage of a newly emergent adenovirus type 14." in: **Virology**, Vol. 387, Issue 2, pp. 436-41, (2009) (PubMed).

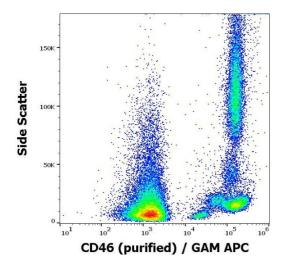
Hoffmann, Bayer, Heim, Potthoff, Nettelbeck, Wildner: "Evaluation of twenty-one human adenovirus types and one infectivity-enhanced adenovirus for the treatment of malignant melanoma." in: **The Journal of investigative dermatology**, Vol. 128, Issue 4, pp. 988-98, (2008) (PubMed).

Fleischli, Sirena, Lesage, Havenga, Cattaneo, Greber, Hemmi: "Species B adenovirus serotypes 3, 7, 11 and 35 share similar binding sites on the membrane cofactor protein CD46 receptor." in: **The Journal of general virology**, Vol. 88, Issue Pt 11, pp. 2925-34, (2007) (PubMed).

Loré, Adams, Havenga, Precopio, Holterman, Goudsmit, Koup: "Myeloid and plasmacytoid dendritic cells are susceptible to recombinant adenovirus vectors and stimulate polyfunctional memory T cell responses." in: **Journal of immunology (Baltimore, Md.: 1950)**, Vol. 179, Issue 3, pp. 1721-9, (2007) (PubMed).

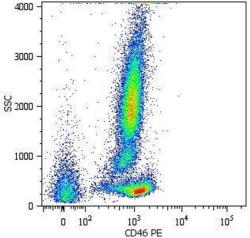
There are more publications referencing this product on: Product page

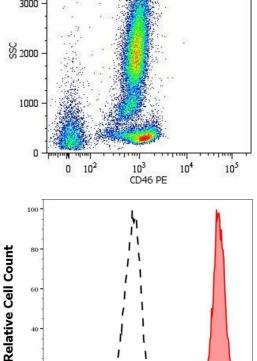
Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral blood cells stained using anti-human CD46 (MEM-258) purified antibody (concentration in sample 0,5 μ g/mL) GAM APC.





CD46 (purified) / GAM APC

Flow Cytometry

Image 2. Surface staining of human peripheral blood cells with anti-CD46 (MEM-258) PE.

Flow Cytometry

Image 3. Separation of human lymphocytes (red-filled) from erythrocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD46 (MEM-258) purified antibody (concentration in sample 0,5 µg/mL) GAM APC.