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anti-CD35 antibody

2 Images

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Publication



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Overview

Quantity:	0.1 mg
Target:	CD35 (CR1)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD35 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Acute monocytic leukemia cells and normal blood monocytes
Clone:	E11
Isotype:	lgG1
Specificity:	The mouse monoclonal antibody E11 recognizes an extracellular epitope of CD35 (CR1), a type I transmembrane glycoprotein expressed on granulocytes, monocytes, B cells, folicular dendritic cells, erythrocytes, NK and T cell subsets, as well as e.g. on glomerulal podocytes.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

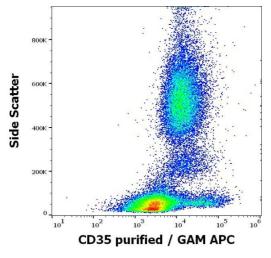
Target Details

Target:	CD35 (CR1)
Alternative Name:	CD35 (CR1 Products)
Background:	Complement C3b/C4b receptor 1 (Knops blood group),CD35 (complement receptor 1, CR1) is a
	monomeric multiple modular cell surface glycoprotein which serves as receptor for C3b and
	C4b, the most important components of the complement system leading to clearance of
	foreign macromolecules. It is expressed mainly on the surface of granulocytes, monocytes,
	erythrocytes, B cells and folicular dendritic cells. Besides its role in complement cascade, CD35
	is involved in blocking BCR-induced proliferation and the differentiation of B cells to
	plasmablasts and their Ig production.,CR1, KN, C3BR, C4BR
Gene ID:	1378
UniProt:	P17927
Pathways:	Complement System, Regulation of Leukocyte Mediated Immunity, Positive Regulation of
	Endopeptidase Activity
Application Details	
Application Notes:	Immunohistochemistry (paraffin sections): Heat mediated antigen retrieval.
	Immunohistochemistry (frozen sections): Acetone fixation.
	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.
Publications	
Product cited in:	Hogg, Ross, Jones, Slusarenko, Walport, Lachmann: "Identification of an anti-monocyte

monoclonal antibody that is specific for membrane complement receptor type one (CR1)." in:

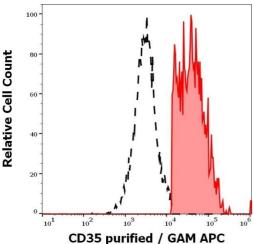
European journal of immunology, Vol. 14, Issue 3, pp. 236-43, (1984) (PubMed).

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD35 (E11) purified antibody (concentration in sample $3 \,\mu g/mL$, GAM APC).



Flow Cytometry

Image 2. Separation of human CD35 positive lymphocytes (red-filled) from CD35 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD35 (E11) purified antibody (concentration in sample $3 \mu g/mL$, GAM APC).