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30-2788: Anti-Hu CD35 Purified

Clonality :	Monoclonal
Clone Name :	E11
Application :	FACS
Gene :	CR1
Gene ID :	1378
Uniprot ID :	P17927
Format :	Purified
Alternative Name :	complement C3b/C4b receptor 1 (Knops blood group) CR1, KN, C3BR, C4BR
Immunogen Information :	Acute monocytic leukemia cells and normal blood monocytes

Description

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.
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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Immunohistochemistry (paraffin sections): Heat mediated antigen retrieval.
Immunohistochemistry (frozen sections): Acetone fixation.
Flow cytometry: Recommended dilution: 1-4 Âµg/ml

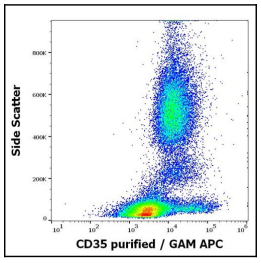

Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD35 purified antibody

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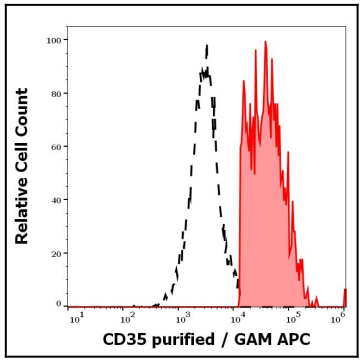

Figure 2: Separation of human CD35 positive lymphocytes (red-filled) from CD35 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD35 (E11) purified antibody