ARG65437
anti-CD35 / CR1 antibody [E11]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [E11] recognizes CD35
Tested Reactivity	Hu, NHuPrm
Tested Application	FACS, IHC-Fr, IHC-P, IP, WB
Specificity	The clone E11 recognizes CD35 (CR1), a type I glycoprotein expressed on granulocytes, monocytes, B cells, folicular dendritic cells, erythrocytes, NK and T cell subsets, as well as e.g. on glomerulal podocytes.
Host	Mouse
Clonality	Monoclonal
Clone	E11
Isotype	IgG1
Target Name	CD35 / CR1
Immunogen	Acute monocytic leukemia cells and normal blood monocytes
Conjugation	Un-conjugated
Alternate Names	C3b/C4b receptor; C4BR; CD antigen CD35; KN; CD35; C3BR; Complement receptor type 1

Application Instructions

Application table

Application	Dilution
FACS	< 1 µg/10^6 cells
IHC-Fr	Assay-dependent
IHC-P	Assay-dependent
IP	Assay-dependent
WB	Assay-dependent

Application Note

Immunohistochemistry (paraffin sections): heat mediated antigen retrieval is require before staining
Immunohistochemistry (frozen sections): acetone fixation is recommended
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1378 Human Swiss-port # P17927 Human
Gene Symbol	CR1
Gene Full Name	complement component (3b/4b) receptor 1 (Knops blood group)
Background	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.
Function	Mediates cellular binding of particles and immune complexes that have activated complement. [UniProt]
Research Area	Developmental Biology antibody; Immune System antibody
Calculated Mw	224 kDa