

Datasheet for ABIN135765

anti-CD35 antibody

1 Image

1 Publication

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Overview

Quantity:	0.1 mg
Target:	CD35 (CR1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD35 antibody is un-conjugated
Application:	Flow Cytometry (FACS), DNA Microscopy (DNA Mic)

Product Details

Immunogen:	Acute monocytic leukemia cells and normal blood monocytes
Clone:	E11
Isotype:	IgG1
Specificity:	Human/Rhesus/Cynomolgus/Chimpanzee/Baboon CD35, Mr 160, 190, 220, 250 kDa
Characteristics:	Mouse Anti-Human CD35-UNLB
Purification:	Purified

Target Details

Target:	CD35 (CR1)
Alternative Name:	CD35 (CR1 Products)
Background:	The CD35 antigen is composed of four different allotypes having different molecular weights (A

Target Details

(or F) - 160 kDa, B (or S) - 190 kDa, C - 220 kDa, and D - 250 kDa). It is the receptor for C3b and is found on B cells, a subset of T cells, monocytes, neutrophils, follicular dendritic cells, erythrocytes and kidney glomerular podocytes. CD35 mediates neutrophil and monocyte phagocytosis of particles coated with C3b and/or C4b. This interaction also enhances phagocytosis mediated by the Fc receptors.

Pathways:

[Complement System](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature , IHC-PS - Reported in literature , IP - Reported in literature , WB - Reported in literature , ELISA - Reported in literature
- **Working Dilutions:** Flow Cytometry Purified (UNLB) antibody 1 g/106 cells FITC and PE conjugate 10 L/106 cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Sample Volume:

1 mL

Restrictions:

For Research Use only

Handling

Concentration:

0.1 mg/mL

Buffer:

0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative:

Without preservative

Handling Advice:

Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage:

4 °C

Storage Comment:

Store at 2-8°C

Publications

Product cited in:

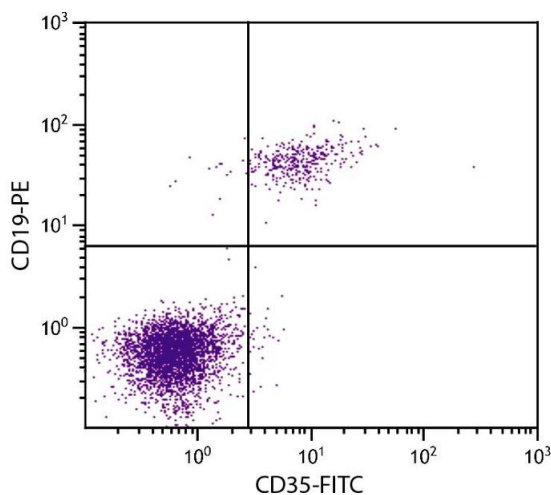
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Alpers, Hudkins, Ferguson, Johnson, Schatteman, Bothwell: "Nerve growth factor receptor expression in fetal, mature, and diseased human kidneys." in: **Laboratory investigation; a journal of technical methods and pathology**, Vol. 69, Issue 6, pp. 703-13, (1994) ([PubMed](#)).

Schatteman, Gibbs, Lanahan, Claude, Bothwell: "Expression of NGF receptor in the developing and adult primate central nervous system." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 8, Issue 3, pp. 860-73, (1988) ([PubMed](#)).

Marano, Dietzschold, Earley, Schatteman, Thompson, Grob, Ross, Bothwell, Atkinson, Koprowski: "Purification and amino terminal sequencing of human melanoma nerve growth factor receptor." in: **Journal of neurochemistry**, Vol. 48, Issue 1, pp. 225-32, (1987) ([PubMed](#)).

Validation report #101185 for Enzyme Immunoassay (EIA)



Flow Cytometry

Image 1. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD35-FITC.