abcam

ab178451

PE Anti-CD35 antibody [E11]

Anti-CD35 antibody [E11] conjugated to PE - suitable for flow cytometry, and reacts with human samples. Clone [E11] is a mouse monoclonal antibody cited in 28 publications.

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Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	PE
Excitation/Emission	Ex: 480;565nm, Em: 578nm
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Cell preparation containing CR1 protein. The exact immunogen used to generate this antibody is proprietary information. Database link P17927
Clone number	E11
Purification technique	Size-exclusion chromatography
Specificity	This antibody recognizes CD35, 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.
Purification notes	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimumconditions. The conjugate is purified by size-exclusion chromatography andadjusted for direct use.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.

Predicted

Species	Primates
Dilution info	-
Notes	-

Target data

See full target information CR1

Function

Membrane immune adherence receptor that plays a critical role in the capture and clearance of complement-opsonized pathogens by erythrocytes and monocytes/macrophages (PubMed:2963069). Mediates the binding by these cells of particles and immune complexes that have activated complement to eliminate them from the circulation (PubMed:2963069). Also acts in the inhibition of spontaneous complement activation by impairing the formation and function of the alternative and classical pathway C3/C5 convertases, and by serving as a cofactor for the cleavage by factor I of C3b to iC3b, C3c and C3d,g, and of C4b to C4c and C4d (PubMed:2972794, PubMed:8175757). Also plays a role in immune regulation by contributing, upon ligand binding, to the generation of regulatory T cells from activated helper T cells (PubMed:25742728). (Microbial infection) Acts as a receptor for Epstein-Barr virus.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze, Store in the dark

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

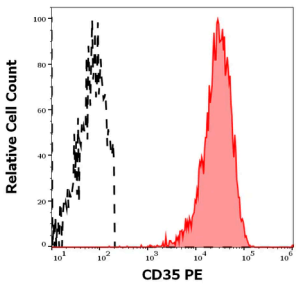
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

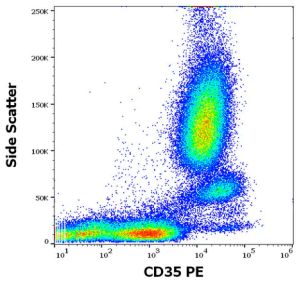
Full details and terms and conditions can be found here:
Terms & Conditions.

2 product images



Flow Cytometry - PE Anti-CD35 antibody [E11] (ab178451)

Flow cytometric analysis of Human peripheral whole blood cells labelling CD35 with ab178451 at 0.56 µg/ml.



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