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CR1 / CD35 Antibody (clone E11, Azide-free)

Mouse Monoclonal Antibody
Catalog # ALS12318

Specification

CR1 / CD35 Antibody (clone E11, Azide-free) - Product Information

Application	**IHC-P, IHC-F, FC**
Primary Accession	P17927
Reactivity	**Human, Baboon**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**224kDa KDa**
Dilution	**IHC-P~~N/A** **IHC-F~~N/A** **FC~~1:10~50**

CR1 / CD35 Antibody (clone E11, Azide-free) - Additional Information

Gene ID 1378

Other Names
Complement receptor type 1, C3b/C4b receptor, CD35, CR1, C3BR

Target/Specificity
Is a single chain cell surface glycoprotein which exists in four allotypic forms (A, B, C, D) of 190kD, 220kD, 160kD and 250kD respectively. The molecule is expressed by granulocytes, monocytes, B cells and some T cells. Functionally CD35 acts as a r ...

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
CR1 / CD35 Antibody (clone E11, Azide-free) is for research use only and not for use in diagnostic or therapeutic procedures.

CR1 / CD35 Antibody (clone E11, Azide-free) - Protein Information

Name CR1

Synonyms C3BR

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).

Cellular Location
Membrane; Single- pass type I membrane protein

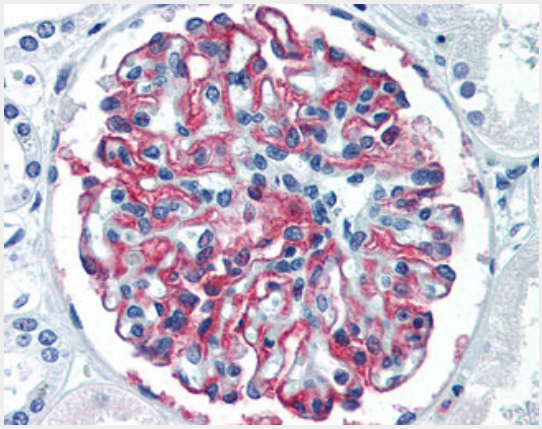
Tissue Location
Present on erythrocytes, a subset of T cells, mature B cells, follicular dendritic cells, monocytes and granulocytes

CR1 / CD35 Antibody (clone E11, Azide-free) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CR1 / CD35 Antibody (clone E11, Azide-free) - Images



Anti-CD35 antibody IHC of human kidney.

CR1 / CD35 Antibody (clone E11, Azide-free) - Background

Mediates cellular binding of particles and immune complexes that have activated complement.

CR1 / CD35 Antibody (clone E11, Azide-free) - References

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Vik D.P.,et al.J. Immunol. 151:6214-6224(1993).
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