10320 Camino Santa Fe, Suite G
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CD55 Rabbit pAb
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Catalog # AP93919

Specification

CD55 Rabbit pAb - Product Information

Application	**WB**
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from mouse CD55**
Epitope Specificity	**301-390/390**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Isoform 1: Cell membrane; Single-pass type I membrane protein.Isoform 2: Cell membrane; Lipid-anchor, GPI-anchor.**
SIMILARITY	**Belongs to the receptors of complement activation (RCA) family.Contains 4 Sushi (CCP/SCR) domains.**
SUBUNIT	**Monomer (major form) and non-disulfide-linked, covalent homodimer (minor form). Binds to coxsackievirus A21, coxsackieviruses B1, B3 and B5, human enterovirus 70, human echoviruses 6, 7, 11, 12, 20 and 21 capsid proteins and acts as a receptor for these viruses.**
Post-translational modifications	**The Ser/Thr-rich domain is heavily O-glycosylated.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins. [provided by RefSeq, Jul 2014]

CD55 Rabbit pAb - Additional Information

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Target/Specificity
Expressed on the plasma membranes of all cell types that are in intimate contact with plasma complement proteins. It is also found on the surfaces of epithelial cells lining extracellular compartments, and variants of the molecule are present in body fluids and in extracellular matrix.

Dilution
WB~~1:1000

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

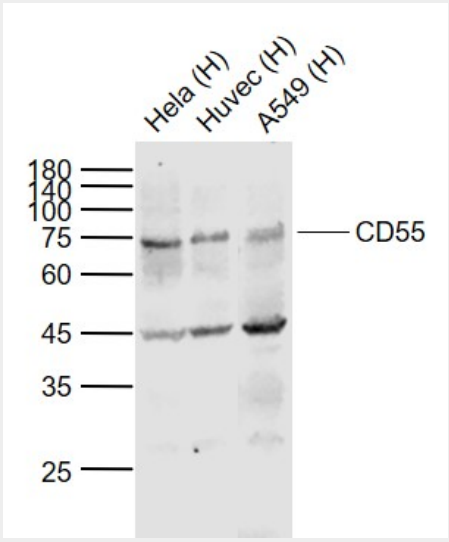
CD55 Rabbit pAb - Protein Information

CD55 Rabbit pAb - 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

CD55 Rabbit pAb - Images



Sample: Lane 1: Hela (Human) Cell Lysate at 30 ug Lane 2: Huvec (Human) Cell Lysate at 30 ug Lane 3: A549 (Human) Cell Lysate at 30 ug Primary: Anti-CD55 (AP93919) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kDa

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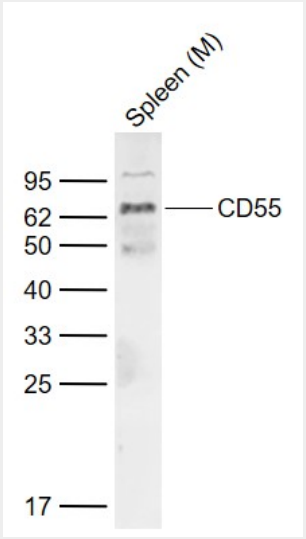
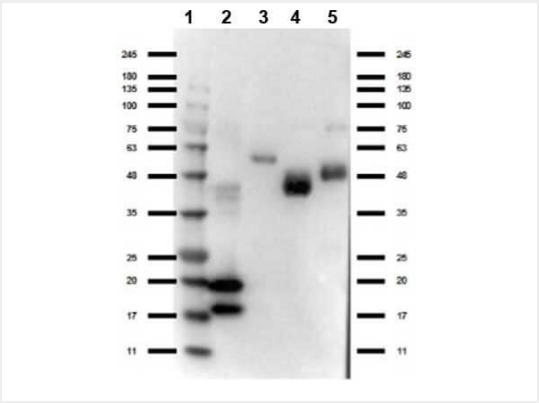
Observed band size: 73 kDa



Sample: Lane 1: Spleen (Mouse) Lysate at 40 ug Primary: Anti-CD55 (AP93919) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kDa Observed band size: 70 kDa



Western Blot of Rabbit anti-VHH antibody. Lane 1: Ladder (Opal Prestained). Lane 2: VHH protein (p/n 000-001-GM6). Lane 3: Llama IgG1 protein (p/n 025-0140). Lane 4: Llama IgG2 protein (p/n 025-0144). Lane 5: Llama IgG3 protein (p/n 025-0143). Load: 50 ng per lane. Primary antibody: VHH antibody at 1:1000 for overnight at 4°C. Secondary antibody: Gt-a-Rb HRP (611-103-122) rabbit secondary antibody at 1:70,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: expect 15 and 18 kda band in VHH protein and reactivity with Llama IgG isotypes.

CD55 Rabbit pAb - Background

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