
Product Name: KO-Validated CD55 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00148**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 41.4kDa

Antigen Information

Gene Name	CD55 CD55; CD55 Molecule (Cromer Blood Group); CR; CROM; DAF; TC; CD55 Molecule, Decay AcceleRating Factor For Complement (Cromer Blood Group); Complement Decay-
Alternative Names	AcceleRating Factor; CD55 Antigen; Decay AcceleRating Factor For Complement (CD55, Cromer Blood Group System); Cromer Blood Group Antigen; Rh Blood Group D Antigen; CHAPLE
Gene ID	1604.0
SwissProt ID	P08174
Immunogen	A synthesized peptide derived from human CD55

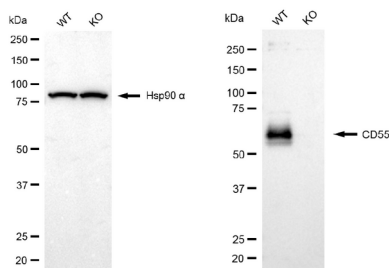
Background

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]

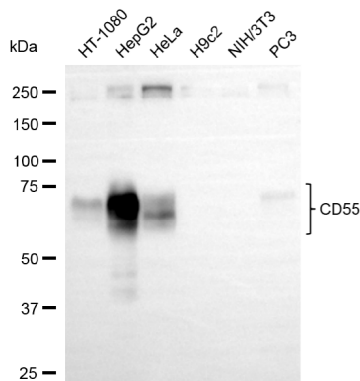
Research Area

Immunology

Image Data



Western blotting analysis using CD55 antibody (KVA00148). CD55 expression in wild type (WT) and CD55 knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CD55 antibody (KVA00148, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CD55 antibody (KVA00148). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CD55 antibody (KVA00148, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.