

Product Name: KD-Validated CD58 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01645**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
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; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 28.1kDa

Antigen Information

Gene Name	CD58 CD58; CD58 Molecule; LFA3; CD58 Antigen, (Lymphocyte Function-Associated Antigen 3);
Alternative Names	Lymphocyte Function-Associated Antigen 3; Surface Glycoprotein LFA-3; Ag3; CD58 Antigen; LFA-3
Gene ID	965.0
SwissProt ID	P19256
Immunogen	A synthesized peptide derived from CD58

Background

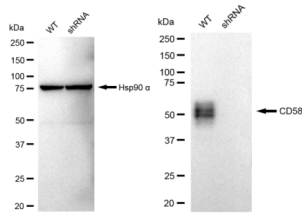
This gene encodes a member of the immunoglobulin superfamily. The encoded protein is a ligand of the T lymphocyte CD2 protein, and functions in adhesion and activation of T lymphocytes. The protein is localized to the plasma membrane.

Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009]

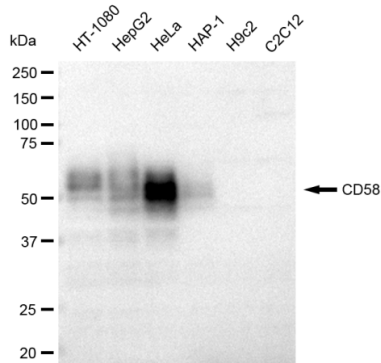
Research Area

Immunology, Neuroscience

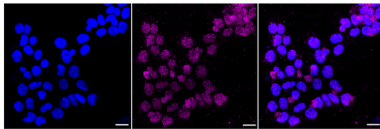
Image Data



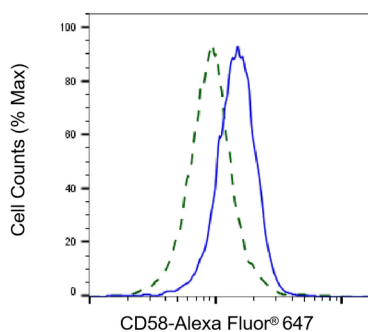
Western blotting analysis using CD58 antibody (KVA01645). CD58 expression in wild type (WT) and CD58 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CD58 antibody (KVA01645, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



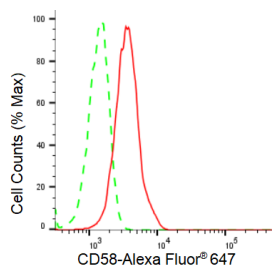
Western blotting analysis using CD58 antibody (KVA01645). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CD58 antibody (KVA01645, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with CD58 antibody (KVA01645, 1:1,000). Nuclei were stained blue with DAPI; CD58 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar: 20 µm.



Validation of CD58 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with CD58 antibody (KVA01645, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of CD58 expression in HeLa cells using CD58 antibody (KVA01645, 1:2,000). Green, isotype control; red, CD58.