
Product Name: KD-Validated CD166 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01581**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
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: 65.1kDa

Antigen Information

Gene Name	ALCAM
Alternative Names	ALCAM; Activated Leukocyte Cell Adhesion Molecule; MEMD; CD166; CD166 Antigen; Activated Leucocyte Cell Adhesion Molecule
Gene ID	214.0
SwissProt ID	Q13740
Immunogen	A synthesized peptide derived from human CD166

Background

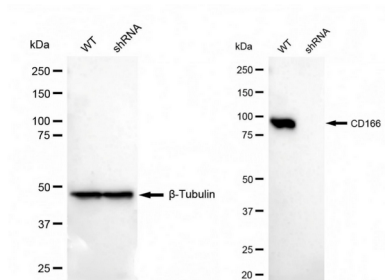
This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigene CD6, and is implicated in the processes of cell

adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Aug 2011]

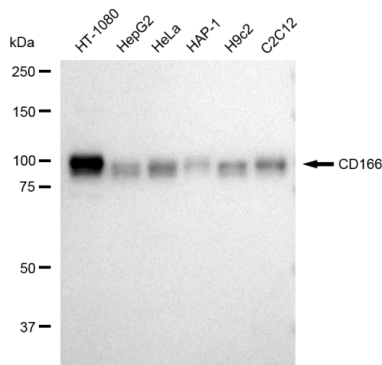
Research Area

Immunology, Kits/ Lysates/ Other

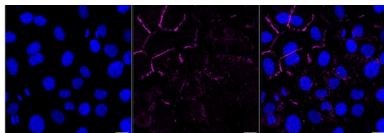
Image Data



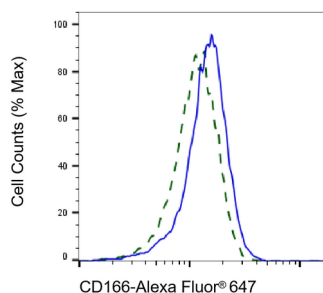
Western blotting analysis using CD166 antibody (KVA01581). CD166 expression in wild type (WT) and CD166 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with CD166 antibody (KVA01581, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



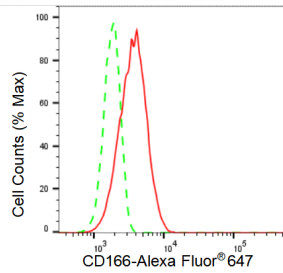
Western blotting analysis using CD166 antibody (KVA01581). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CD166 antibody (KVA01581, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with CD166 antibody (KVA01581, 1:1,000). Nuclei were stained blue with DAPI; CD166 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of CD166 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with CD166 antibody (KVA01581, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of CD166 expression in HT-1080 cells using CD166 antibody (KVAAb01581, 1:2,000). Green, isotype control; red, CD166.