

Product Name: KD-Validated CD99 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01596**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
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
Molecular Weight	Calculated MW: 18.8kDa

Antigen Information

Gene Name	CD99 CD99; CD99 Molecule (Xg Blood Group); CD99 Antigen; MIC2; Antigen Identified By Monoclonal Antibodies 12E7, F21 And O13; T-Cell Surface Glycoprotein E2; E2 Antigen;
Alternative Names	MIC2X; MIC2Y; Antigen Identified By Monoclonal 12E7, Y Homolog; MIC2 (Monoclonal Antibody 12E7); Cell Surface Antigen HBA-71; Cell Surface Antigen 12E7; Cell Surface Antigen O13; Surface Antigen MIC2; CD99 Molecule; Protein MIC2; HBA71; MSK5X; 12E7
Gene ID	4267.0
SwissProt ID	P14209
Immunogen	A synthesized peptide derived from human CD99

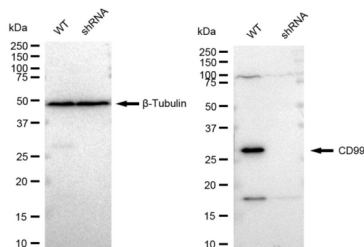
Background

The protein encoded by this gene is a cell surface glycoprotein involved in leukocyte migration, T-cell adhesion, ganglioside GM1 and transmembrane protein transport, and T-cell death by a caspase-independent pathway. In addition, the encoded protein may have the ability to rearrange the actin cytoskeleton and may also act as an oncosuppressor in osteosarcoma. This gene is found in the pseudoautosomal region of chromosomes X and Y and escapes X-chromosome inactivation. There is a related pseudogene located immediately adjacent to this locus. [provided by RefSeq, Mar 2016]

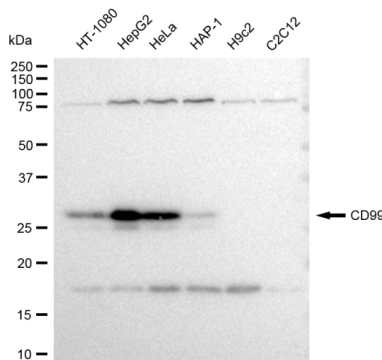
Research Area

Immunology,Signal Transduction,Cancer

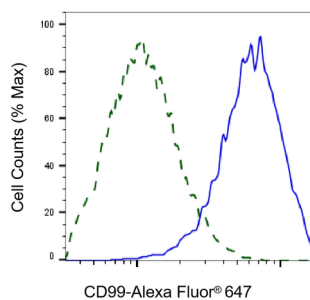
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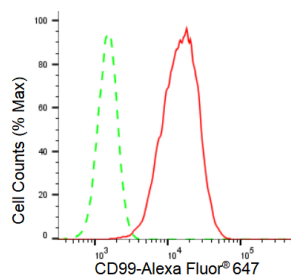
Western blotting analysis using CD99 antibody (KVA01596). CD99 expression in wild type (WT) and CD99 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with CD99 antibody (KVA01596, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CD99 antibody (KVA01596). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CD99 antibody (KVA01596, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Validation of CD99 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with CD99 antibody (KVA01596, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of CD99 expression in HepG2 cells using CD99 antibody (KVA01596, 1:2,000). Green, isotype control; red, CD99.

