
Product Name: KD-Validated CD163 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00239**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 125.5kDa

Antigen Information

Gene Name	CD163 CD163; CD163 Molecule; M130; SCAR1; MM130; Scavenger Receptor Cysteine-Rich Type 1
Alternative Names	Protein M130; Hemoglobin Scavenger Receptor; CD163 Antigen; Macrophage-Associated Antigen
Gene ID	9332.0
SwissProt ID	Q86VB7
Immunogen	A synthesized peptide derived from human CD163

Background

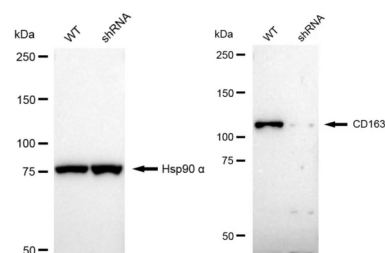
The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and

endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

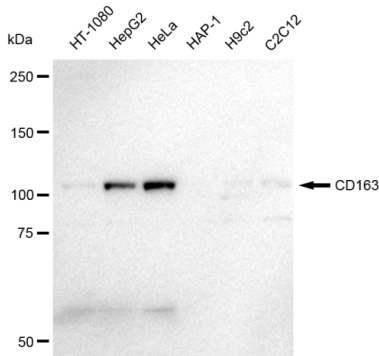
Research Area

Immunology, Cardiovascular

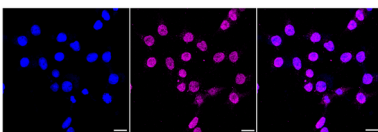
Image Data



Western blotting analysis using CD163 antibody (KVA00239). CD163 expression in wild type (WT) and CD163 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CD163 antibody (KVA00239, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CD163 antibody (KVA00239). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CD163 antibody (KVA00239, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with CD163 antibody (KVA00239, 1:1,000). Nuclei were stained blue with DAPI; CD163 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.