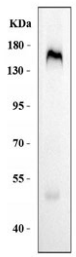
CD163 Antibody (R30973)

Catalog No.	Formulation	Size
R30973	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q86VB7
Applications	Western Blot : 0.5-1ug/ml
Limitations	This CD163 antibody is available for research use only.



Western blot testing of human placental tissue lysate with CD163 antibody. Predicted molecular weight ~130 kDa but may be observed at higher molecular weights due to glycosylation.

Description

CD163 (Cluster of Differentiation 163) is a human protein encoded by the CD163 gene. The receptor belongs to the scavenger receptor cysteine rich family type B and consists of an 1048 amino acid residues extracellular domain, a single transmembrane segment and a cytoplasmic tail with several splice variants. CD163 is a scavenger receptor for the hemoglobin-haptoglobincomplex. Using FISH, somatic cell hybrid analysis, and radiation hybrid analysis, Stover et al.(2000) mapped the CD163 gene to chromosome 12p13.3. Specific CD163-mediated endocytosis of haptoglobin-hemoglobin complexes was measurable in cells transfected with CD163 cDNA and in CD163-expressing myelomonocytic lymphoma cells.CD163 expression in monocytes promoted bacteria-induced proinflammatory cytokine production that

could be blocked by anti-CD163 antibodies. Cells expressing human CD163 and recombinant protein containing the extracellular domain of CD163 supported adhesion of erythroblastic cells.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD163 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human CD163 (HQIQYREMNSCLNADDLD) was used as the immunogen for this CD163 antibody.

Storage

After reconstitution, the CD163 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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