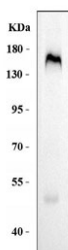


## CD163 Antibody (R30973)

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
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-haptoglobin complex. 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 (HGIQYREMNSCLNADDLD) was used as the immunogen for this CD163 antibody.

## Storage

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