For Research Use Only

Mouse CD163 Recombinant antibody, PBS Only (Capture/Detector)

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Antibodies | ELISA kits | Proteins
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Catalog Number:83285-1-PBS

Basic Information

Catalog Number:
83285-1-PBS

Size:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_053094.2

GeneID (NCBI):
93671

UNIPROT ID:
Q2VLH6-1

Full Name:
CD163 antigen

Calculated MW:
121 kDa

Purification Method:
Protein A purification

CloneNo.:
240233F4

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
mouse

Background Information

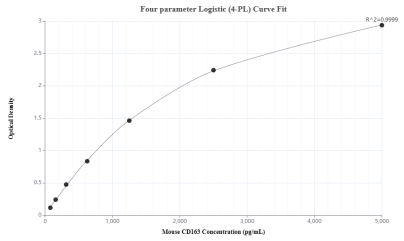
CD163, also known as M130, is a membrane glycoprotein that belongs to the scavenger receptor superfamily (PMID: 8370408). It is an acute phase-regulated and signal-inducing macrophage protein expressed exclusively in monocytes and tissue macrophages (PMID: 11196644). CD163 mediates endocytosis of haptoglobin-haemoglobin complexes (PMID: 11196644). The uptake of haptoglobin by macrophages contributes to the recycling of iron and also to the inflammatory response (PMID: 22900885). Soluble CD163 (sCD163), as a result of ectodomain shedding during inflammatory activation of macrophages, circulates in blood and has been suggested as a plasma/serum marker for macrophage activity (PMID: 12570164).

Storage

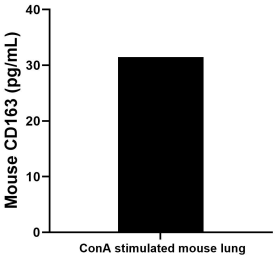
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

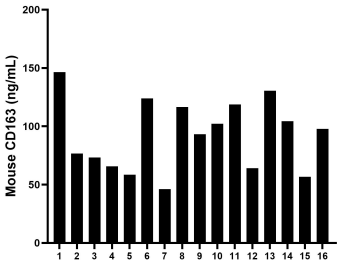
Selected Validation Data



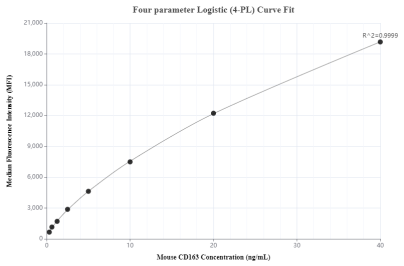
Sandwich ELISA standard curve of MP00326-3, mouse CD163 Recombinant Matched Antibody Pair - PBS only. 83285-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard: Eg0794. 83285-2-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



For the mouse lung supernatant cultured for 3 days, the mean mouse CD163 concentration was determined to be 154.4 pg/mL in ConA stimulated mouse lung supernatant.



Serum of sixteen mice was measured. The CD163 concentration of detected samples was determined to be 92.2 ng/mL with a range of 46.2-146.5 ng/mL.



Cytometric bead array standard curve of MP00326-1, MOUSE CD163 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83285-2-PBS. Detection antibody: 83285-1-PBS. Standard: Eg0794. Range: 0.313-40ng/mL.