

For Research Use Only

APC-conjugated CD163 Polyclonal antibody

Catalog Number: APC-31024



Basic Information

Catalog Number:

APC-31024

Size:

100ul , Concentration: 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0794

GenBank Accession Number:

NM_053094.2

GeneID (NCBI):

93671

UNIPROT ID:

Q2VLH6-1

Full Name:

CD163 antigen

Calculated MW:

121 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

IF-P

Species Specificity:

mouse

Positive Controls:

IF-P : mouse liver tissue,

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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

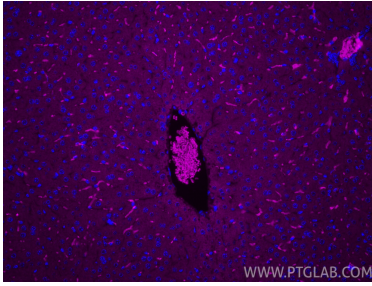
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using APC CD163 antibody (APC-31024) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).