

For Research Use Only

# CoraLite® Plus 488-conjugated CD163 Recombinant monoclonal antibody

Catalog Number: CL488-83285-4



## Basic Information

Catalog Number:

CL488-83285-4

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

Observed MW:

160-170 kDa

Purification Method:

Protein A purification

CloneNo.:

240233A3

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

mouse, rat

Positive Controls:

IF-P: rat 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

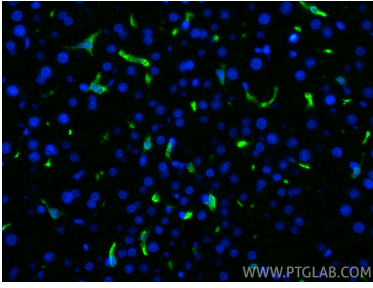
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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 rat liver tissue using CoraLite® Plus 488 CD163 antibody (CL488-83285-4, Clone: 240233A3 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).