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# **CD163 Monoclonal Antibody**

catalog number: AN200059P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human

Immunogen E. coli-derived Human CD163 fragment

 Host
 Mouse

 Isotype
 IgG1

 Clone
 A907

 Purification
 Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

**IHC-P** 1:2000-1:10000

#### Data



Immunohistochemistry of paraffin-embedded human liver using CD163 Monoclonal Antibody at dilution of 1:5000.

# **Preparation & Storage**

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when

stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

## **Background**

The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.