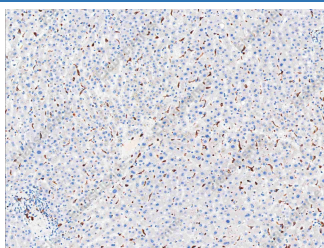


Recombinant CD68 Monoclonal Antibody

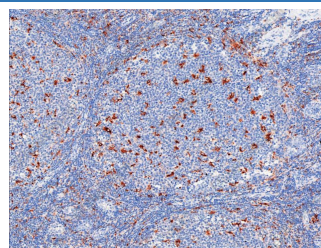
catalog number: **AN300041P**

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

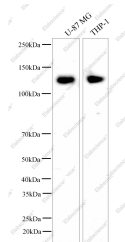
Description	
Reactivity	Human
Immunogen	Recombinant Human CD68 Protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C310034
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS
Applications	Recommended Dilution
IHC	1:1000-5000
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000
Data	



Immunohistochemical analysis of paraffin-embedded Human liver tissue sections using CD68 Antibody (AN300041P) at a dilution of 1:1500 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



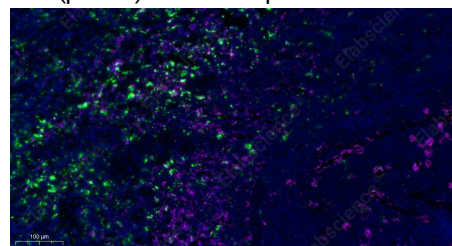
Immunohistochemical analysis of paraffin-embedded Human tonsil tissue sections using CD68 Antibody (AN300041P) at a dilution of 1:1500 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of U-87 MG and THP-1 cell lysates using CD68 Antibody (AN300041P) at a dilution of 1:1500.

Observed-MW: 120kD

Calculated-MW: 35kD



Fluorescence multiplex immunohistochemical analysis of human tonsil tissue (formalin-fixed paraffin-embedded section). The immunostaining was performed by Sextuple-Fluorescence kit. CD68 rabbit mAb (RED) and CD163 mouse mAb (GREEN) was tested with different TSA Fluorescence reagent. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (Excilone).

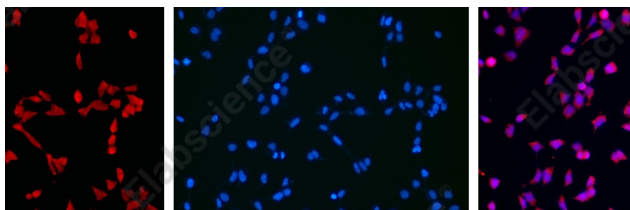
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A

B

C

Immunofluorescence analysis of HEK293. Picture A: CD68 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Jul 2008]

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