Recombinant CD68 Monoclonal Antibody

catalog number: **AN300041P**

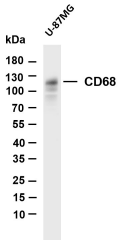
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

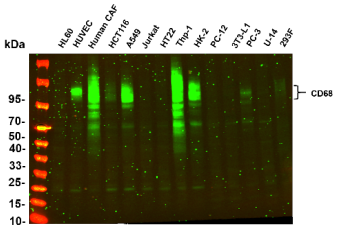
Reactivity	Human
Immunogen	Recombinant Human CD68 Protein
Host	Rabbit
Isotype	IgG
Clone	A1151
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
IHC	1:1000-5000
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000

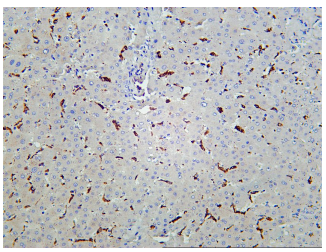
Data



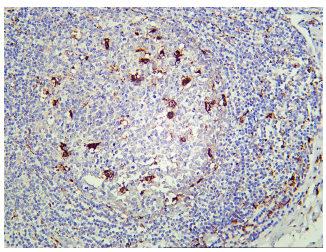
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD68 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: U-87MG Predicted band size: 35kDa Observed band size: 120kDa



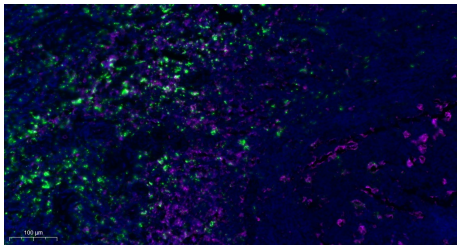
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:2500 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 cell Lane2: HUVEC cell Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14 Lane14: 293F Predicted band size: 35kDa Observed band size: 100-135kDa



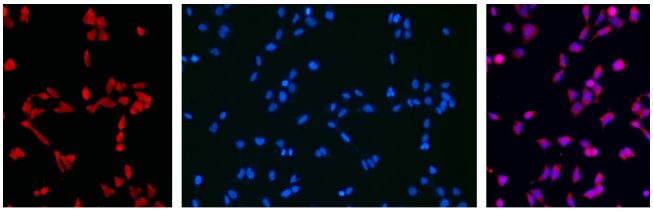
Human liver was stained with Anti-CD68 rabbit antibody



Human appendix was stained with Anti-CD68 rabbit antibody



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 regent. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (Excilone).



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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