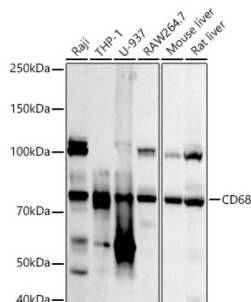
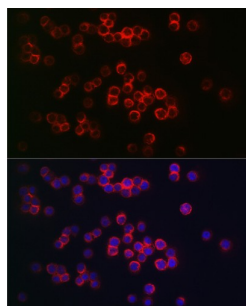


Macrosialin (CD68) Antibody

Catalogue No.: abx004224



Western blot analysis of extracts of various cell lines using CD68 Antibody (1/1000 dilution).



Immunofluorescence analysis of THP-1 cells using CD68 Antibody (1/150 dilution, 40x lens). Blue: DAPI for nuclear staining.

CD68 Antibody is a Rabbit Polyclonal antibody against CD68. 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.

Target: Macrosialin (CD68)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: WB, IF/ICC

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Recombinant fusion protein corresponding to human CD68

Datasheet

Version: 3.0.0

Revision date: 22 Aug 2025



Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P34810 (UniProt , ExPASy)
Gene Symbol:	CD68
GeneID:	968
NCBI Accession:	NP_001242.2
Molecular Weight:	Calculated MW: 31 kDa/34 kDa/37 kDa Observed MW: 70-80 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thiomersal, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.