

Anti-CD68 Antibody

ER1901-32



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IHC-P, IF-Tissue
Molecular Wt:	Predicted band size: 37 kDa

Description: 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.

Immunogen: Synthetic peptide within Human CD68 aa 25-74 / 354.

Subcellular location: Cell membrane, endosome membrane, lysosome membrane.

Database links: SwissProt: P34810 Human | P31996 Mouse

Recommended Dilutions:

WB	1:500-2000
IHC-P	1:100-500
IF-tissue	1:100-500

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

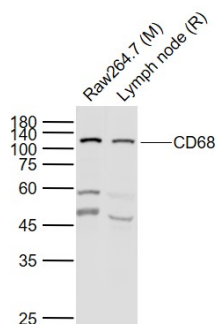


Fig1: Sample: Lane 1: Raw264.7 (Mouse) Cell Lysate at 30 ug
Lane 2: Lymph node (Rat) Cell Lysate at 30 ug
Primary: Anti-CD68 (ER1901-32) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 110/185-200 kD
Observed band size: 110 kD

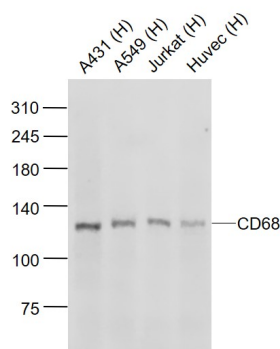


Fig2: Sample:
Lane 1: A431 (Human) Cell Lysate at 30 ug
Lane 2: A549 (Human) Cell Lysate at 30 ug
Lane 3: Jurkat (Human) Cell Lysate at 30 ug
Lane 4: Huvec (Human) Cell Lysate at 30 ug
Primary: Anti-CD68 (ER1901-32) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 110/185-200 kD
Observed band size: 110 kD

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Chistiakov DA. et. al. CD68/macrosialin: not just a histochemical marker. Lab Invest. 2017 Jan;97(1):4-13.
2. Tochio H. et. al. CD68-Positive Cells in Hepatic Angiomyolipoma. Oncology. 2017;92 Suppl 1:35-39.

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