

Anti-CD68 Antibody

ER1902-74



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB, FC
Molecular Wt:	Predicted band size 37 kDa.

Description: Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells. Highly expressed by blood monocytes and tissue macrophages. Also expressed in lymphocytes, fibroblasts and endothelial cells. Expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.

Immunogen: Synthetic peptide within human CD68 aa 50-120.

Positive control: MCF-7 cell lysate, human lung tissue lysate, THP-1, mouse skin tissue lysate, mouse lung tissue lysate, mouse liver tissue lysate, mouse brain tissue lysate, RAW264.7 cell lysate, NIH/3T3 cell lysate.

Subcellular location: Cell membrane, Endosome, Lysosome, Membrane

Database links: SwissProt: P34810 Human | P31996 Mouse

Recommended Dilutions:

WB	1:1,000
FC	1:50-1:100

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

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

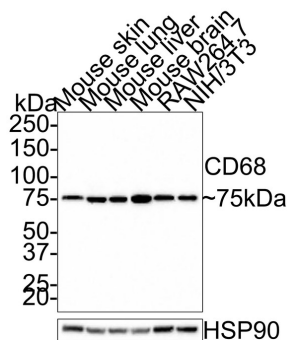
Service mail:support@huabio.cn

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Images

Fig1: Western blot analysis of CD68 on different lysates with Rabbit anti-CD68 antibody (ER1902-74) at 1/1,000 dilution.

Lane 1: Mouse skin tissue lysate (30 µg/Lane)
 Lane 2: Mouse lung tissue lysate (30 µg/Lane)
 Lane 3: Mouse liver tissue lysate (30 µg/Lane)
 Lane 4: Mouse brain tissue lysate (30 µg/Lane)
 Lane 5: RAW264.7 cell lysate (15 µg/Lane)
 Lane 6: NIH/3T3 cell lysate (15 µg/Lane)



Predicted band size: 37 kDa
 Observed band size: 75 kDa

Exposure time: 2 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (ER1902-74) at 1/1,000 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature.

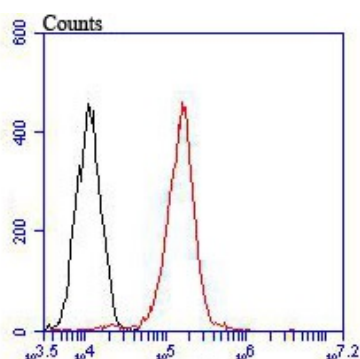


Fig2: Flow cytometric analysis of CD68 was done on THP-1 cells. The cells were fixed, permeabilized and stained with the primary antibody (ER1902-74, 1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor®488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

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

Background References

1. Chen R et al. Glycoproteomics analysis of human liver tissue by combination of multiple enzyme digestion and hydrazide chemistry. J Proteome Res 8:651-661 (2009).

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