### bsm-52610R

### [ Primary Antibody ]

# Bioss ANTIBODIES

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## **CD68 Recombinant Rabbit mAb**

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Recombinant

**GenelD:** 968 **SWISS:** P34810

Target: CD68

Purification: affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**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]

Applications: WB (1:500-2000)

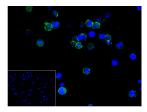
Flow-Cyt (1μg/Test) ICC/IF (1:50-200)

Reactivity: Human

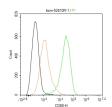
Predicted MW.: 37 kD

Subcellular Location: Cell membrane ,Cytoplasm

#### VALIDATION IMAGES -



4% Paraformaldehyde-fixed THP-1 (H) cell; Antibody incubation with (CD68) monoclonal Antibody, unconjugated (bsm-52610R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The THP-1 (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.) , followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-CD68 antibody (bsm-52610R): 1  $\mu g/10^6$  cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.