SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-CD68 antibody

SL42013R

Product Name	CD68
Chinese Name	CD68 抗体
Alias	CD 68; CD68 antigen; CD68 molecule; DKFZp686M18236; GP110; Macrophage antigen CD68 (microsialin); macrosialin; SCARD1; Scavenger receptor class D member 1; macrosialin isoform A precursor; CD68_MOUSE; Macrosialin; Gp110; scavenger receptor class D, member 1; macrophage antigen CD68; LAMP
Research Area	immunology Cell Surface Molecule
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat)
Applications	Flow-Cyt=1ug/Test,ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	35kDa
Detection molecular weight	110-140 kDa
Cellular localization	cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant mouse CD68 protein: 119-298/326
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Human,Mouse(predicted:Rat)1M TBS(pH7.4) with 1% BSA, Human,Mouse(predicted:Rat)3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

PubMed

PubMed

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]

SWISS:
P31996

Product Detail

Gene ID:
12514

Database links:

Entrez Gene: 968 Human

Entrez Gene: 12514 Mouse

Omim: 153634 Human

SwissProt: P34810 Human

SwissProt: P31996 Mouse

Unigene: 647419 Human

Unigene: 15819 Mouse

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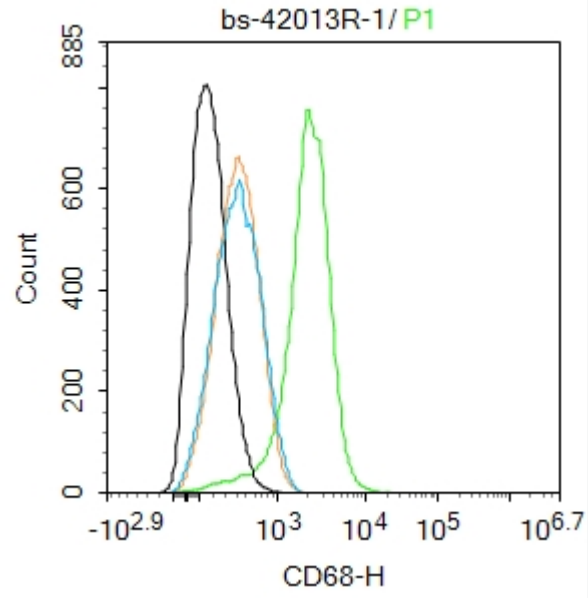
Product Picture



Blank control(black line):Raw264.7

Primary Antibody (green line): Rabbit Anti-CD68 antibody (SL42013R)

Dilution: 1ug/Test;

Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC

Dilution: 0.5ug/Test.

Isotype control(orange line)：Normal Rabbit IgG

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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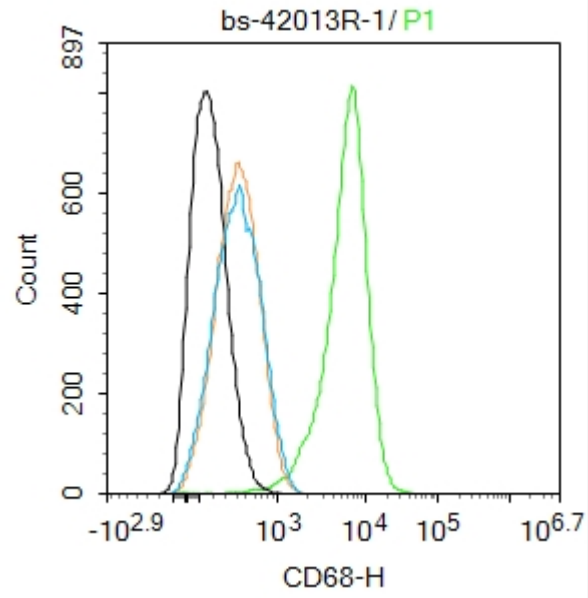

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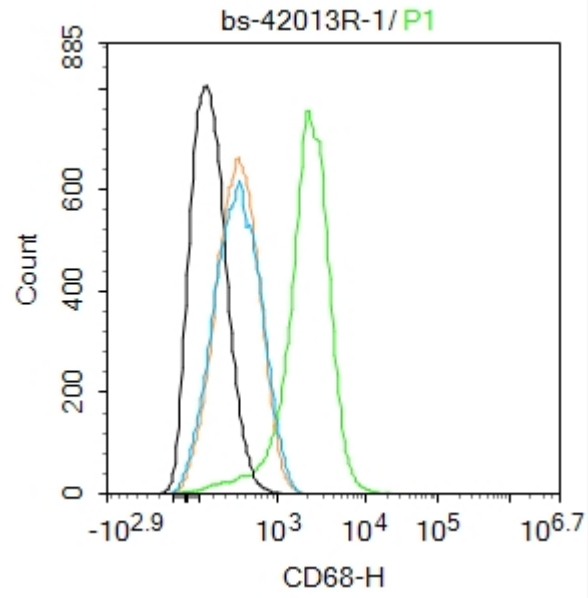

Blank control:Raw264.7.

Primary Antibody (green line): Mouse Anti-CD68 antibody (SL42013R)

Dilution: 1ug/Test;

Secondary Antibody (white blue line) : Goat anti-Mouse IgG-AF488

Dilution: 0.5ug/Test.

Isotype control（orange line）： Normal Rabbit IgG

Protocol

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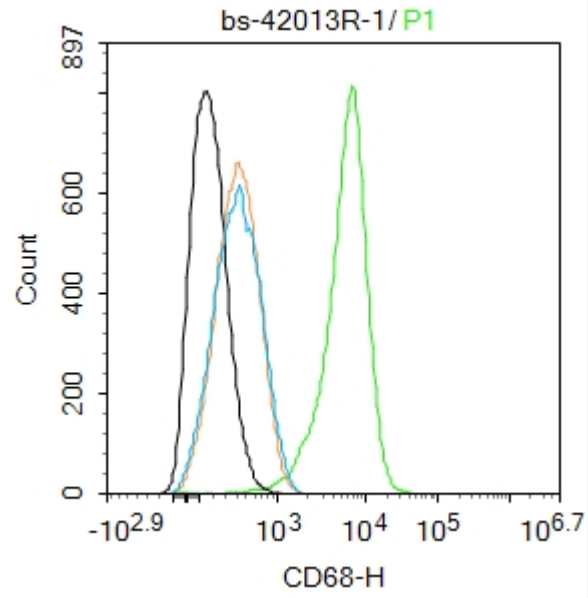

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Dilution: 0.5ug/Test.

Isotype control（orange line）： Normal Rabbit IgG

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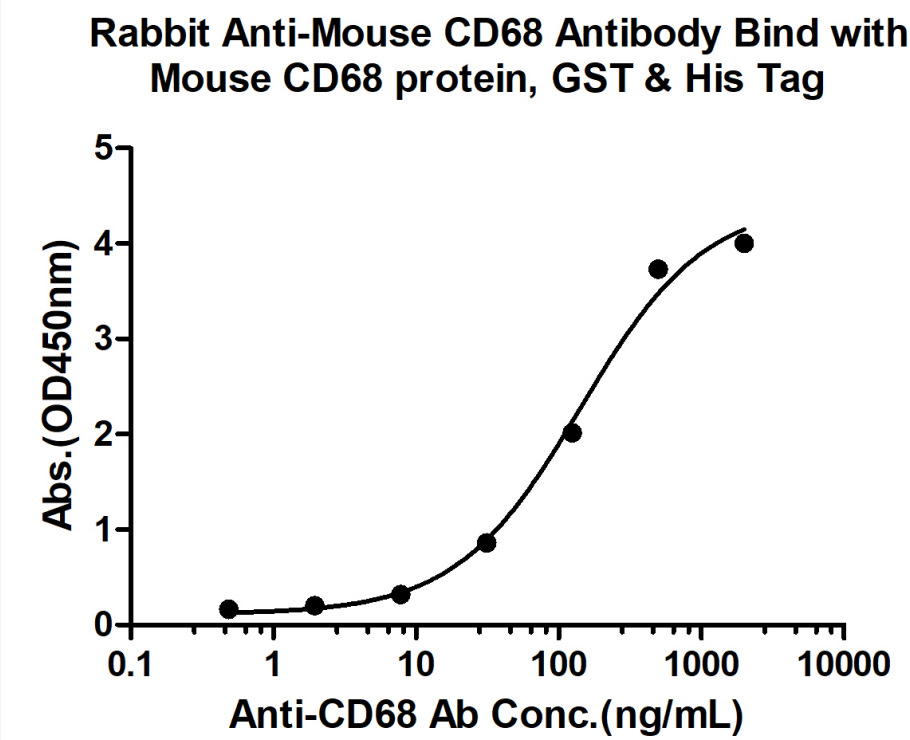

Measured by its binding ability in a indirect ELISA. Immobilized Mouse CD68 protein, His Tag (Cat. SL42013P) at 2 μg/mL (100 μL/well) can bind Rabbit Anti-Mouse CD68 Antibody, the EC50 is 142.5 ng/mL.

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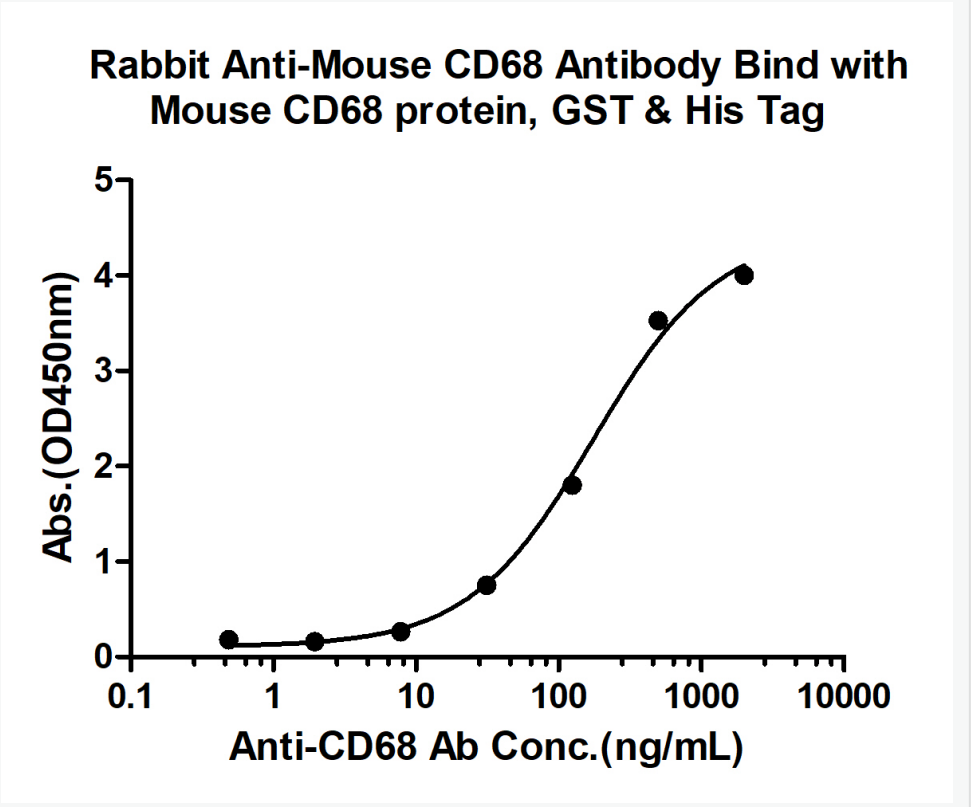

Measured by its binding ability in a indirect ELISA. Immobilized Mouse CD68 protein, His Tag (Cat. SL42013P) at 2 μg/mL (100 μL/well) can bind Rabbit Anti-Mouse CD68 Antibody, the EC50 is 175.4 ng/mL.