



## Rabbit Anti-CD68/FITC Conjugated antibody

SL1432R-FITC

<b>Product Name:</b>	Anti-CD68/FITC
<b>Chinese Name:</b>	FITC标记的CD68抗体
<b>Alias:</b>	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_HUMAN; Macrosialin; Gp110; scavenger receptor class D, member 1; macrophage antigen CD68; LAMP4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Cow,
<b>Applications:</b>	ICC=1:50-200IF=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	37kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD68 (21-70aa)
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Product Detail:</b>	<b>background:</b> 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].

**Function:**

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.

**Subcellular Location:**

Isoform Short: Cell membrane; Single-pass type I membrane protein. Isoform Long: Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein.

**Tissue Specificity:**

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.

**Post-translational modifications:**

N- and O-glycosylated

**Similarity:**

Belongs to the LAMP family.

**Database links:**

[Entrez Gene: 968](#)Human

[Entrez Gene: 12514](#)Mouse

[Omid: 153634](#)Human

[SwissProt: P34810](#)Human

[SwissProt: P31996](#)Mouse

[Unigene: 647419](#)Human

[Unigene: 15819](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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