



# CD68 (ABT111R) Rabbit mAb (Ready to Use)

<b>Catalog No</b>	YP-rAb-18135
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	IHC
<b>Gene Name</b>	CD68
<b>Protein Name</b>	Macrosialin (Gp110) (CD antigen CD68)
<b>Purification Process</b>	Protein A
<b>Specificity</b>	This antibody detects endogenous levels of CD68
<b>Formulation</b>	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	2° C to 8° C/1 year,Ship by ice bag
<b>Synonyms</b>	CD 68 ; CD68 ; CD68 antigen ; CD68 molecule ; CD68_HUMAN ; DKFZp686M18236 ; gp11 ; Gp110 ; LAMP4 ; Macrophage antigen CD68 (macrosialin) ; MACROPHAGE ANTIGEN CD68 ; Macrosialin ; SCARD1 ; Scavenger receptor class D member 1
<b>Observed Band</b>	
<b>Calculated Molecular Weight</b>	
<b>Cell Pathway</b>	Cytoplasmic, Membranous
<b>Tissue Specificity</b>	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.
<b>Function</b>	Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Bind to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes, lysosomes to the plasma membrane may allow macrophages to crawl over selectin bearing substrates or other cells.,PTM:N- and





O-glycosylated.,similarity:Belongs to the LAMP family.,tissue specificity:Highly expressed by blood monocytes and tissue macrophages. Also expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.,

### Background

This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member ofThe lysosomal/endosomal-associated membrane glycoprotein (LAMP) family.The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating toThe 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 ofThe scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediateThe recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Jul 2008],

### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

