Product Data Sheet
CD68 Mouse Monoclonal Antibody

Product name:	CD68 Mouse Monoclonal Antibody
Cat number:	MABN81321
Conjugate:	Unconjugated
Size:	100 ug
Clone:	E-11
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	Purified recombinant fragment of human CD68 (AA: 42-155) expressed in E. Coli.
Reactivity:	Human
Applications:	WB 1:500-1:2000 IHC 1:200-1:1000 ICC 1:200-1:1000 ELISA 1:5000-1:20000 FC 1:200-1:400
Molecular Weight:	37.4kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Synonyms:	GP110; LAMP4; SCARD1
Source:	Mouse
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.

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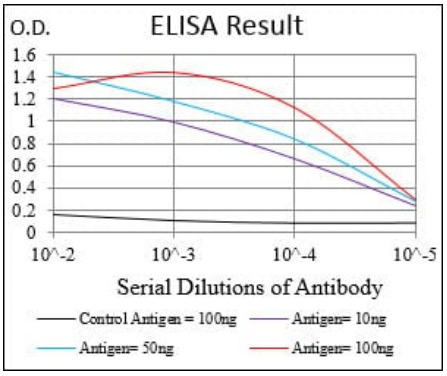
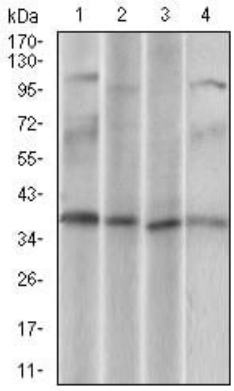
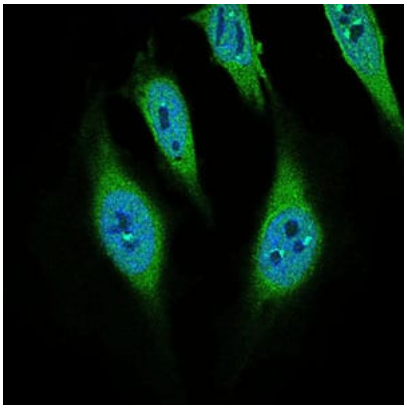


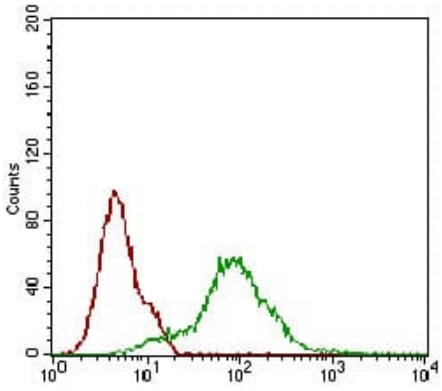
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



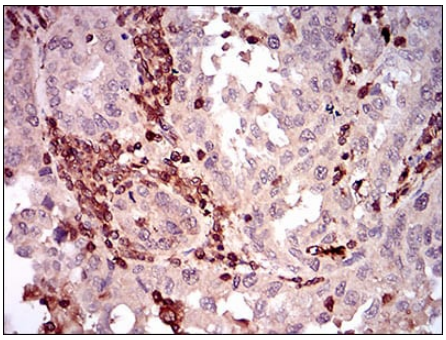
Western blot analysis using CD68 mouse mAb against U937 (1), Hela (2), HepG2 (3), Jurkat (4) cell lysate.



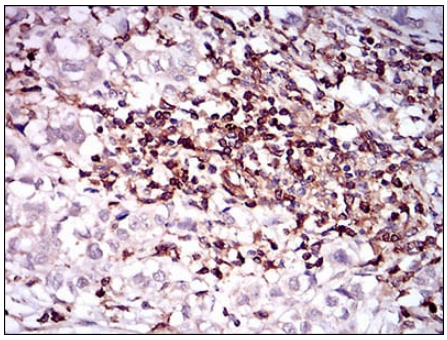
Immunofluorescence analysis of Hela cells using CD68 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Hela cells using CD68 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues using CD68 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using CD68 mouse mAb with DAB staining.

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