

Anti-CD68 antibody

Cat# NB-22-7061

Description

Mouse Monoclonal to CD68.

Product Information

Code	NB-22-7061
Host	Mouse
Reactivity	Human, Mouse, Rat
Applications	IHC
Immunogen	Synthetic Peptide
Gene ID	968 (Human); 12514 (Mouse);
Dilution range	IHC 1:200
Specificity	The antibody detects endogenous CD68 protein.
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Clone ID	12E2
Note	For research use only.
Protein Name	Macrosialin
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	N/A
Storage Instruction	Store at -20°C. Avoid repeated freeze/thaw cycles.

Target

Database Links	Human UniProt/Swiss-Prot: P34810 ; Mouse UniPort/Swiss-Prot: P31996 ; Rat UniProt/Swiss-Port: Q4FZY1 ; Human Entrez Gene: 968 ; Mouse Entrez Gene: 12514 ; Rat Entrez Gene: Rn.12478 ;
----------------	---

Alternative names	CD68 / CD68 molecule / CD68 antigen antibody, Gp110 antibody, GW7_13831 antibody, H920_19742 antibody, I79_002745 antibody, Lamp4 antibody, M91_20380 antibody, macrophage antigen CD68 antibody, Macrosialin antibody, macrosialin-like protein antibody, MDA_GLEAN10018307 antibody, PAL_GLEAN10010195 antibody, PANDA_013871 antibody, SCARD1 antibody, scavenger receptor class D antibody, scavenger receptor class D, member 1 antibody, TREES_T100004082 antibody, Y1Q_004241 antibody
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.
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.
Sequence and Domain Family	Belongs to the LAMP family
Post-translational Modifications	N- and O-glycosylated.
Cellular Localization	Cell membrane; Single-pass type I membrane protein / Endosome membrane; Single-pass type I membrane protein / Lysosome membrane; Single-pass type I membrane protein

For reference only

For Research Use Only. Not for Diagnostic or Therapeutic Use.