10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat Anti-CD68 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4238a

Specification

Goat Anti-CD68 Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P34810
Other Accession	NP_001242.2, NP_001035148.1
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**37408**

Goat Anti-CD68 Antibody (internal region) - Additional Information

Gene ID 968

Other Names
CD68; CD68 molecule; GP110; LAMP4; SCARD1; CD68 antigen; macrophage antigen CD68; macrosialin; scavenger receptor class D, member 1

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence PNKTKVQGSCEGAH, from the internal region of the protein sequence according to NP_001242.2; NP_001035148.1.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-CD68 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-CD68 Antibody (internal region) - Protein Information

Name CD68

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.

Cellular Location
[Isoform Short]: Cell membrane; Single-pass type I membrane protein

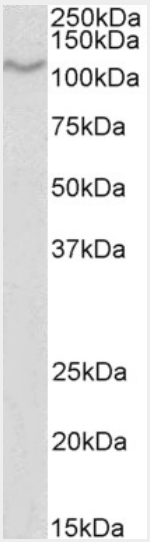
Tissue Location
Highly expressed by blood monocytes and tissue macrophages. Also expressed in lymphocytes, fibroblasts and endothelial cells. Expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.

Goat Anti-CD68 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-CD68 Antibody (internal region) - Images



AF4238a (1 µg/ml) staining of U937 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-CD68 Antibody (internal region) - References

Site-specific distribution of CD68-positive microglial cells in the brains of human midterm fetuses: a topographical relationship with growing axons. Cho KH, Cheong JS, Kim JH, Abe H, Murakami G, Cho BH. BioMed research international 2013 2013 : 762303.