

**Goat Anti-CD68 Antibody (internal region)**  
**Purified Goat Polyclonal Antibody**  
**Catalog # AF4238a**

**Specification**

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

Application	<b>WB</b>
Primary Accession	<a href="#">P34810</a>
Other Accession	<a href="#">NP_001242.2</a> , <a href="#">NP_001035148.1</a>
Reactivity	<b>Human</b>
Predicted	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Concentration	<b>0.5</b>
Calculated MW	<b>37408</b>

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

**Gene ID** 968

**Other Names**

CD68; CD68 molecule; GP110; LAMP4; SCARD1; CD68 antigen; macrophage antigen CD68; macrofialin; 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 Cytometry](#)
- [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.