

#### **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB12699 - Goat Anti-CD68 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** CD68, CD68 molecule, GP110, LAMP4, SCARD1, CD68 antigen, macrophage antigen CD68, macrosialin, scavenger receptor class D, member 1

Official Symbol: CD68

Accession Number(s): NP\_001242.2; NP\_001035148.1

Human GeneID(s): 968

**Important Comments:** This antibody is expected to recognize both reported isoforms

(NP\_001242.2; NP\_001035148.1).

### **Immunogen**

Peptide with sequence PNKTKVQGSCEGAH, from the internal region of the protein sequence according to NP\_001242.2; NP\_001035148.1.

Please note the peptide is available for sale.

### **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx. 100-110kDa band observed in lysates of cell line U937 and in preliminary testing of THP-1 cell lysate (calculated MW of 37.4kDa according to NP\_001242.2). The observed molecular weight is routinely reported, and corresponds to the glycosylated form. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature. Positive Control: A batch specific positive control lysate is available for this product. Please contact Sales@everestbiotech.com for availability. IHC: Paraffin embedded Human Spleen. Recommended concentration: 5-6µg/ml.

**Flow Cytometry:** Flow cytometric analysis of U937 cells. Recommended concentration: 10ug/ml.

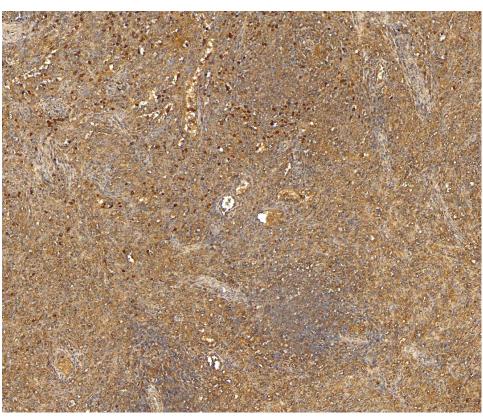
## **Species Reactivity**

Tested: Human

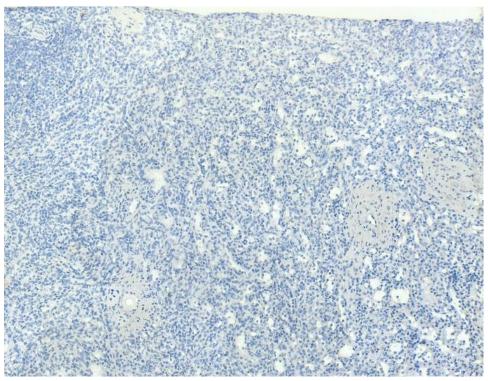
Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

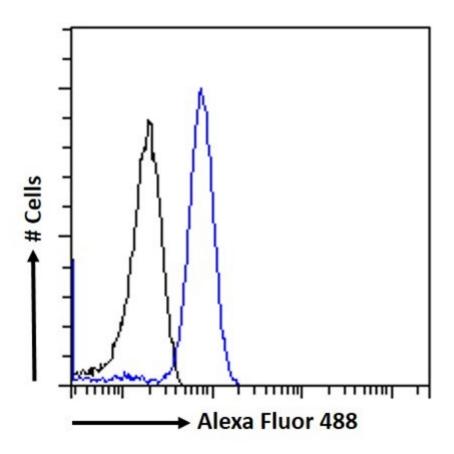
EB12699 (2µg/ml) staining of U937 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB12699 ( $5\mu g/ml$ ) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB12699 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



EB12699 Flow cytometric analysis of paraformaldehyde fixed U937 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.