

## Anti-CD68 Antibody (5F511)

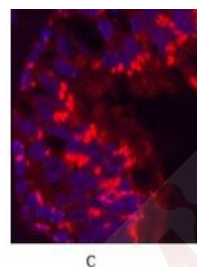
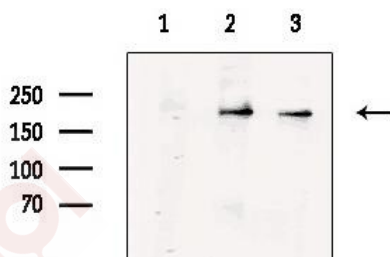
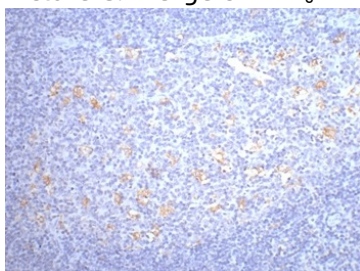
### Product Details

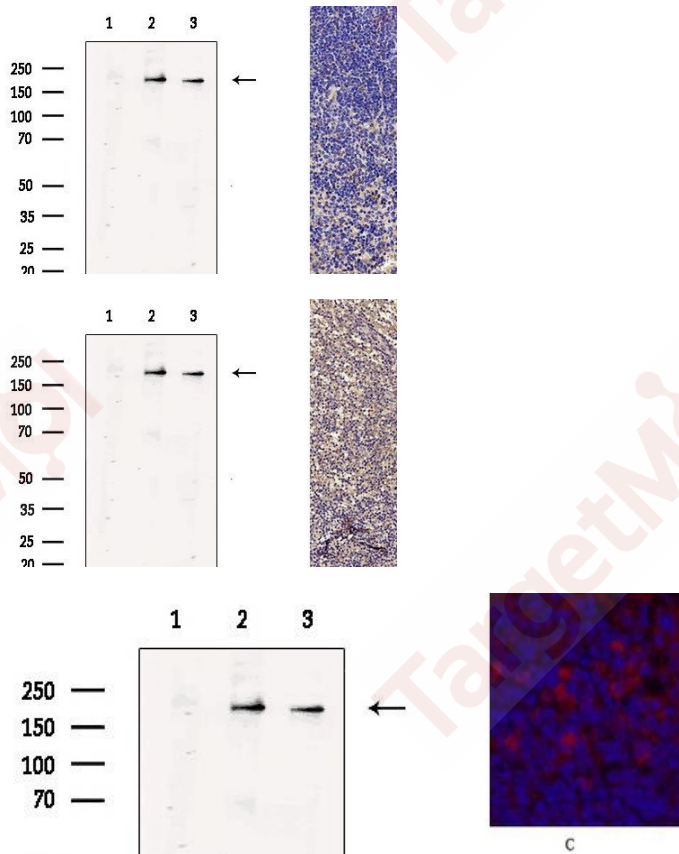
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 37 kDa.
Clone:	5F511
Purification:	Affinity purification using immunogen.

### Applications

- IHC staining of paraffin-embedded Human tonsil tissue CD68 mouse mAb diluted at 1:200.
- Immunofluorescence analysis of Human-lung-cancer tissue. 1,CD68 Monoclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.
- Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1,CD68 Monoclonal Antibody was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control was used by secondary antibody only.
- Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,CD68 Monoclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.
- Immunofluorescence analysis of Mouse-spleen tissue. 1,CD68 Monoclonal Antibody (red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B.

Verified Activity:





Application: IF,IHC

Recommended IHC: 1:200; IF: 1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Uniprot ID: P34810

Synonyms: CD68 molecule;SCARD1;LAMP4;GP110

### Research Background

The CD68 antigen is a 37kD transmembrane protein that is post-translationally glycosylated to give a protein of 87-115kD. CD68 is specifically expressed by tissue macrophages, Langerhans cells and at low levels by dendritic cells. It could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. It 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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