



## Mouse anti CD68/Macrophage Marker Antibody

Alternate Names: CD68 (Macrophage Marker)

### ANTIGEN PREPARATION

Subcellular fraction of human alveolar macrophages

### BACKGROUND

CD68 is an intracellular glycoprotein expressed on macrophages and monocytes. CD68 expression has been demonstrated in T cells, NK cells, liver and renal tubules. This antibody is important for identifying macrophages in tissue sections. It stains macrophages in a wide variety of human tissues, including Kupffer cells and macrophages in the red pulp of the spleen, in lamina propria of the gut, in lung alveoli, and in bone marrow. It reacts with myeloid precursors and peripheral blood granulocytes. It also reacts with plasmacytoid T cells which are supposed to be of monocyte/macrophage origin. It shows strong granular cytoplasmic staining of chronic and acute myeloid leukemia and also reacts with rare cases of true histiocytic neoplasia. Tumors of lymphoid origin are usually not stained.

### PURIFICATION

The Mouse IgG is purified by Protein A Affinity Purification.

### SPECIFICITY

This antibody recognizes ~110 kDa of human CD68 protein. It is cross react to human, mouse, rat and monkey. The other species are not tested.

### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	1:100
Flow cytometry	Not tested

### FORMULATION

This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer

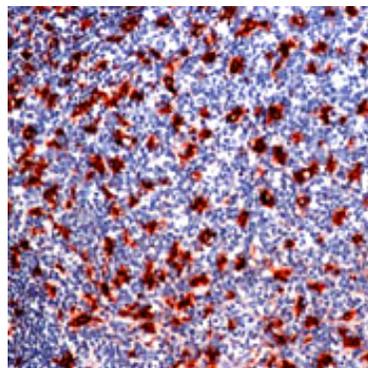
### STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### Order Information

Description:	Mouse anti-CD68
Catalogue#:	500-6074
Lot#:	See the label
Size:	100 µg/200 ul
Host:	Mouse
Clone:	SPM281
Isotype:	IgG1.κ
Application:	ELISA, WB, IHC
Reactivity:	Hu, Ms, Rt, Mk, Bv,

### DATA ATTACHMENTS



**IHC:** Human Tonsil tissue stained with Anti-CD68 antibody, (Cat# 500-6074 ) at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

### REFERENCES

De Groot CJ; et al. Journal of Neuropathology and Experimental Neurology, 1997 Jan, 56(1):10-20.

**FOR RESEARCH USE ONLY.**