

## 36-3642: Anti-CD68 (Macrophage Marker) Monoclonal Antibody(Clone: KP1)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	KP1
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD68
<b>Gene ID :</b>	968
<b>Uniprot ID :</b>	P34810
<b>Alternative Name :</b>	GP110, LAMP4, Microsialin, Macrosialin, SCARD1, Scavenger Receptor Class D Member-1
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Subcellular fraction of human alveolar macrophages

### Description

This antibody recognizes a glycoprotein of 110kDa, which is identified as CD68. It 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. Lymphomas are negative or show few granules.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

Immunohistochemistry (Formalin-fixed) (0.5-1.0µg/ml for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

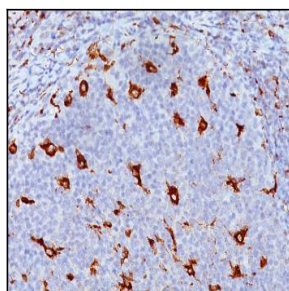


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD68 Mouse Monoclonal Antibody (KP1).

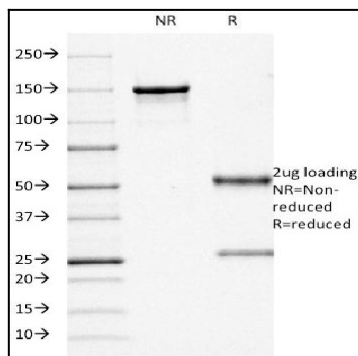


Fig. 2: SDS-PAGE Analysis Purified CD68 Mouse Monoclonal Antibody (KP1).  
Confirmation of Purity and Integrity of Antibody.