

## Product datasheet for **AM50195PU-S**

### CD68 Mouse Monoclonal Antibody [Clone ID: SPM130]

#### Product data:

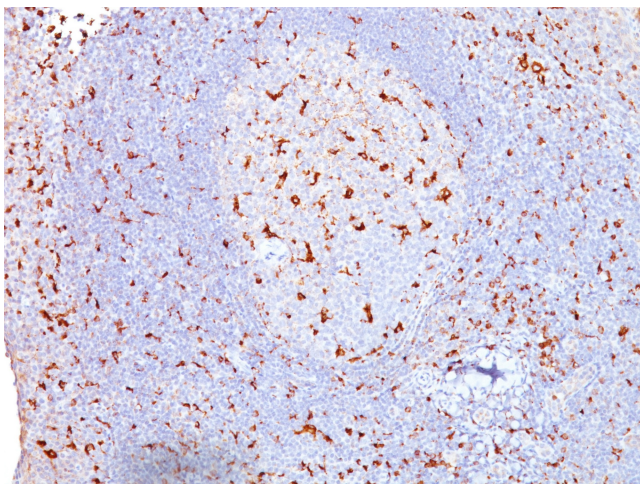
Product Type:	Primary Antibodies
Clone Name:	SPM130
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA free Antibody for coating. <b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 0.5-1 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 0.5-1 µ/ml for 30 minutes 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. <b>Positive Control:</b> Tonsil, Lymph Node or Spleen.
Reactivity:	Feline, Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Subcellular fraction of human alveolar macrophages.
Specificity:	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. <b>Cellular Localization:</b> Cytoplasmic. <b>Negative Species:</b> Pig, Dog, and Chicken.



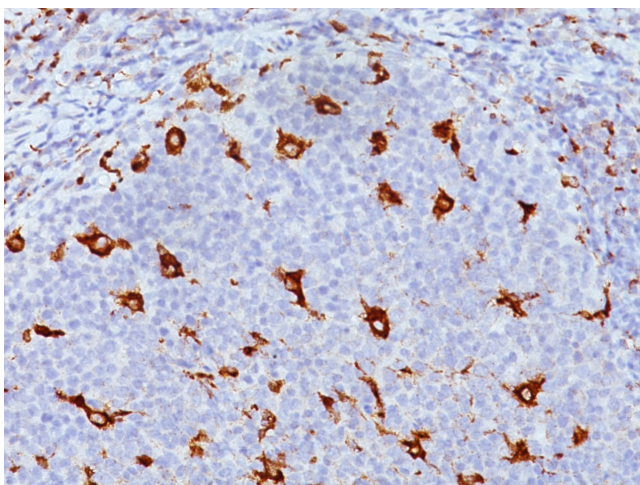
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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	110 kDa
Gene Name:	CD68 molecule
Database Link:	<a href="#">Entrez Gene 968 Human P34810</a>
Synonyms:	Gp110, Macrosialin, Macrophage marker

### Product images:



Formalin-Fixed, Paraffin-Embedded Human tonsil (10X) stained with CD68 Antibody (Clone SPM130).



Formalin-Fixed, Paraffin-Embedded Human tonsil (20X) stained with CD68 Antibody (Clone SPM130).