

## Anti-CD68 Antibody [PSH05-47]

<b>Cat:</b>	YK151663
<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Mouse, Rat
<b>Applications:</b>	WB, IF-Cell, IHC-P, IHC-Fr, IF-Tissue
<b>Molecular Wt:</b>	Predicted band size: 35 kDa
<b>Clone number:</b>	PSH05-47
<b>Description:</b>	CD68 (Cluster of Differentiation 68) is a protein highly expressed by cells in the monocyte lineage (e.g., monocytic phagocytes, osteoclasts), by circulating macrophages, and by tissue macrophages (e.g., Kupffer cells, microglia). Human CD68 is a Type I transmembrane glycoprotein, heavily glycosylated in its extracellular domain, with a molecular weight of 110kD. Its primary sequence consists of 354 amino acids with predicted molecular weight of 37.4kD if it were not glycosylated. The human CD68 protein is encoded by the "CD68" gene which maps to Chromosome 17. Other names or aliases for this gene in humans and other animals include: CD68 Molecule, CD68 Antigen, GP110, Macrosialin, Scavenger Receptor Class D, Member 1, SCARD1, and LAMP4. The mouse equivalent is known as "macrosialin".
<b>Immunogen:</b>	Recombinant protein within Mouse CD68 aa 21-326.
<b>Positive control:</b>	Mouse spleen tissue, rat spleen tissue, RAW264.7 cell lysate, M NFS 60 cell lysate, J774A.1 cell lysate, Rat spleen tissue lysate, RAW264.7, BV2.
<b>Subcellular location:</b>	Cell membrane; Endosome membrane, Lysosome membrane
<b>Recommended Dilutions:</b>	WB: 1:1000-1:5000; F-Cell: 1: 100-1:200; IHC-P: 1:2000; IHC-Fr: 1:500; IF-Tissue:1: 200;
<b>Storage Buffer:</b>	PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide
<b>Storage Instruction:</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.
<b>Purity:</b>	Protein A affinity purified.