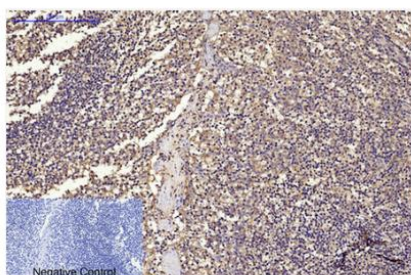


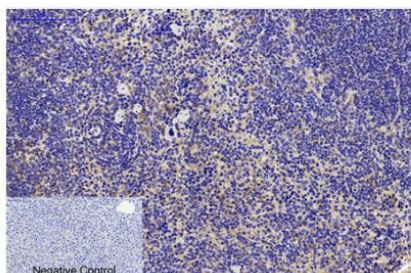
## CD68 Monoclonal Antibody(6F3)

<b>Catalog No.</b>	IMB0049
<b>Reactivity</b>	Human; Mouse; Rat
<b>Applications</b>	IHC-P;IF/ICC
<b>Alternative Names</b>	Macrosialin
<b>Immunogen</b>	Synthetic Peptide of CD68
<b>Source</b>	Mouse
<b>Dilution</b>	IHC:1:200; IF 1:50-200
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Concentration</b>	N/A
<b>Storage&amp;Stability</b>	Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze/thaw cycles.
<b>Subcellular Location</b>	[Isoform Short]: Cell membrane; Single-pass type I membrane protein.; [Isoform Long]: Endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein.
<b>MW</b>	37 kDa
<b>Background</b>	This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms.
<b>Swiss-Prot</b>	P34810

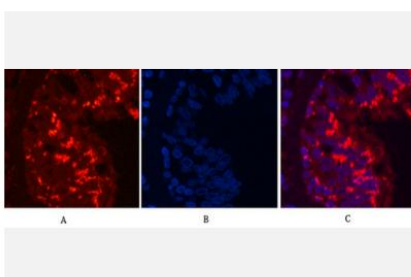
### Products Images:



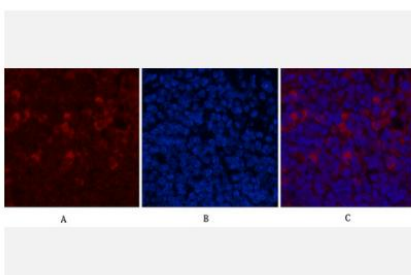
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1,CD68 Monoclonal Antibody(6F3) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



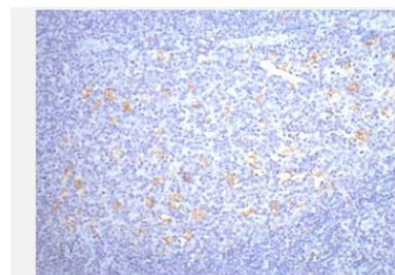
Immunohistochemical analysis of paraffin-embedded Mouse-liver tissue. 1,CD68 Monoclonal Antibody(6F3) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-lung-cancer tissue. 1,CD68 Monoclonal Antibody(6F3)(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



Immunofluorescence analysis of Mouse-spleen tissue. 1,CD68 Monoclonal Antibody(6F3)(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



IHC staining of human tonsil tissue, diluted at 1:200.