

CD68 Monoclonal Antibody(6F3)

Description

Product type	Primary Antibody
Code	BT-MCA0313
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of CD68
Mol wt	37408
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	IHC-P, IF, ICC
Concentration	1 mg/ml
Full name	Macrosialin
Synonyms	CD68; Macrosialin; Gp110; CD68

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

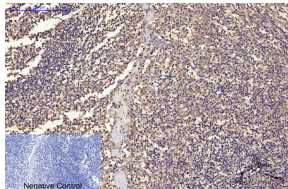
Recommended Dilution

IF: 1:50-200

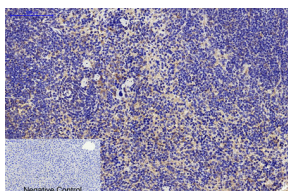
WB: 500-2000 1:200

Not yet tested in other applications.

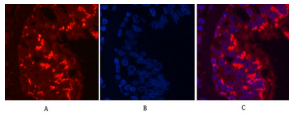
Images



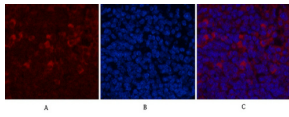
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1.CD68 Monoclonal antibody(6F3) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used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

Storage

-20°C for one year

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