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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Macrosialin CD68 Monoclonal Antibody

Catalog Number: M00602-2

Overview

Product Name	Anti-Macrosialin CD68 Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Macrosialin CD68 Monoclonal Antibody catalog # M00602-2. Tested in IF, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC
Clonality	Monoclonal 6F3
Formulation	PBS, pH 7.4, containing 0.5% stabilizing protein, 0.02% sodium azide and 50% Glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P34810

Technical Details

Immunogen	Synthetic Peptide of CD68
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using a specific immunogen.
Suggested Dilutions	IHC 1:200-400 IF 1:50-200

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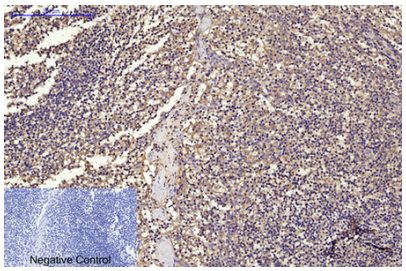
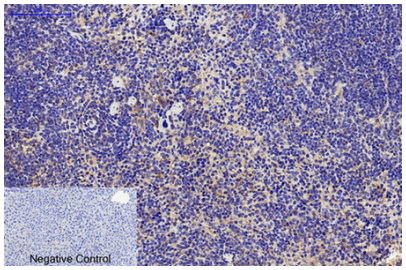
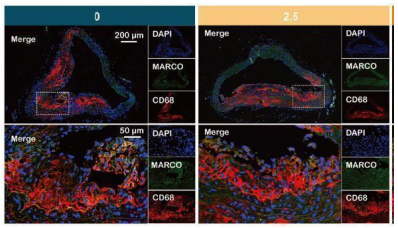
Anti-Macrosialin CD68 Monoclonal Antibody (M00602-2) Images



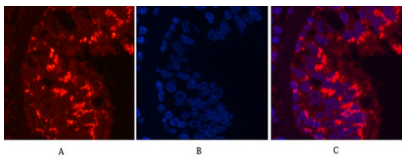
Immunohistochemical analysis of paraffin-embedded Human-Tonsil tissue. 1, CD68 Monoclonal Antibody (6F3) was diluted at 1:200 (4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C, 20min). 3, Secondary antibody was diluted at 1:200 (room tempeRature, 30min). Negative control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



Long-Chain Acyl Carnitines Aggravate Polystyrene Nanoplastics-Induced Atherosclerosis by Upregulating MARCO. Zhenlie Huang IF Mouse aorta



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

20 Publications Citing This Product

1. PubMed ID: 34020949,

Myeloid-derived growth factor inhibits inflammation and alleviates endothelial injury and atherosclerosis in mice

Authors: Meng B,Li Y,Ding Y,Xu X,Wang L,Guo B,Zhu B,Zhang J,Xiang L,Dong J,Liu M,Xiang L,Xiang G.

2. PubMed ID: -,

Tauroursodeoxycholic Acid Alleviates Secondary Injury in Spinal Cord Injury Mice Through Reducing Oxidative Stress

Authors: Yonghui Hou,Jiyao Luan,Tiancheng Deng et al.

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3. PubMed ID: 33841657,

Schistosoma japonicum-derived peptide SJMHE1 promotes peripheral nerve repair through a macrophage-dependent mechanism

Authors: Ma Y,Wei C,Qi X,Pu Y,Dong L,Xu L,Zhou S,Zhu J,Chen X,Wang X,Su C

This study investigated whether helminths or helminth-derived molecules might have the potential to improve peripheral nerve repair. It was demonstrated that schistosome-derived SJMHE1 promoted peripheral myelin growth and functional regeneration via a macrophage-dependent mechanism and simultaneously increased the induction of M2 macrophages. The CD68 antibody from Bosterbio was used as the macrophage marker for this study. The findings indicated that schistosome-derived SJMHE1 enhances damaged peripheral nerve repair in a macrophage-dependent manner and concomitantly increases M2 macrophage polarization, highlighting the therapeutic potential of SJMHE1 for promoting peripheral nerve repair.

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