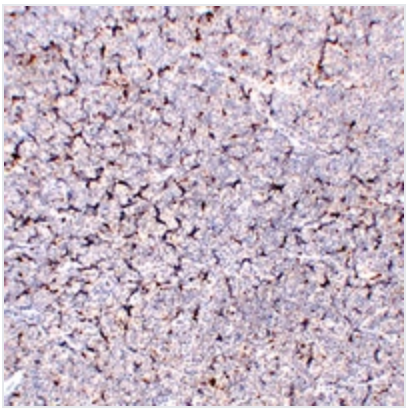
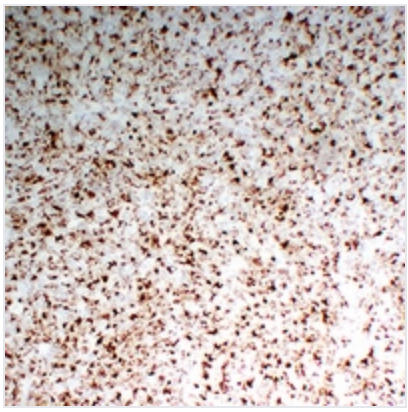
CD68 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

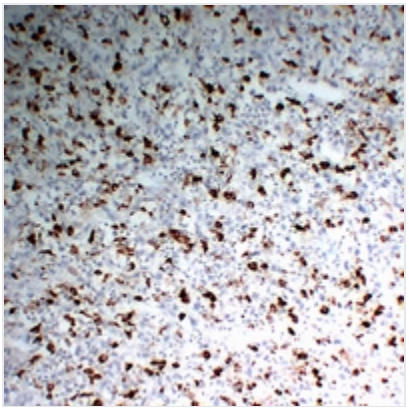
Product Name	CD68, Monoclonal Antibody
Full Product Name	Anti-CD68 Antibody
Product Gene Name	anti-CD68 antibody
Product Synonym Names	Macrosialin; Gp110; CD68
Clonality	Monoclonal
Isotype	Mouse IgG1
Host	Mouse
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD68 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	37,408 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (7482805..7485429). Location: 17p13
OMIM	153634
3D Structure	ModBase 3D Structure for P34810
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human CD68. The exact sequence is proprietary.
Applications Tested/Suitable for anti-CD68 antibody	Immunohistochemistry (IHC)
Application Notes for anti-CD68 antibody	IHC: 1/100-1/300
Related Product Information for anti-CD68 antibody	MBS8309751 is an antibody targeting CD68. Reactive in Human. Host: Mouse. Mouse monoclonal antibody to CD68
Other Notes	Small volumes of anti-CD68 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



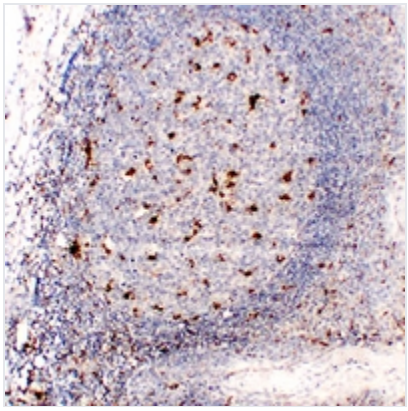
Immunohistochemistry (IHC) of anti-CD68 antibody
Immunohistochemical analysis of CD68 staining in human acute myeloid leukemia formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence (IF)/Immunocytochemistry (ICC) of anti-CD68 antibody
Immunohistochemical analysis of CD68 staining in human lymphoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunoprecipitation (IP) of anti-CD68 antibody
Immunohistochemical analysis of CD68 staining in human malignant fibrous histiocytoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow Cytometry (FC/FACS) of anti-CD68 antibody
Immunohistochemical analysis of CD68 staining in human tonsil formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD68. It may not necessarily be applicable to this product.

NCBI GI #	298665
NCBI GeneID	968
NCBI Accession #	AAB25811.1
UniProt Primary Accession #	P34810
UniProt Secondary Accession #	Q53HR6; Q53XI3; Q96BI7; B4DVT4
UniProt Related Accession #	P34810
NCBI Official Full Name	CD68
NCBI Official Synonym Full Names	CD68 molecule
NCBI Official Symbol	CD68
NCBI Official Synonym Symbols	GP110; LAMP4; SCARD1

UniProt Protein Name	Macrosialin
UniProt Synonym Protein Names	Gp110
Protein Family	Macrosialin
UniProt Gene Name	CD68
UniProt Entry Name	CD68_HUMAN
NCBI Protein Information	macrosialin; CD68 antigen; macrophage antigen CD68; scavenger receptor class D, member 1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/cd68/8309751