



Mouse Anti-Human CD68 monoclonal antibody, clone JID179 (CABT-L2777)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human CD68
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID179
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Tonsil
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Cluster of differentiation 68 (CD68) is a heavily glycosylated transmembrane antigen that is detected in lysosomes, tissue macrophages, Langerhans cells, dendritic cells, monocytes, Kupffer cells, osteoclasts, and granulocytes. Anti-CD68 may be useful in identifying myelomonocytic and histiocytic tumors, and for differentiating between malignant fibrous histiocytoma and other pleomorphic sarcomas. However, other lysosome-rich cells may also stain, since Anti-CD68 detects a formalin-resistant epitope that may be associated with lysosomal granules.
Keywords	CD68;CD68 molecule;GP110;LAMP4;SCARD1;macrosialin;CD68 antigen;macrophage antigen CD68;scavenger receptor class D, member 1;

GENE INFORMATION

Gene Name	CD68 CD68 molecule [Homo sapiens (human)]
Official Symbol	CD68
Synonyms	CD68; CD68 molecule; GP110; LAMP4; SCARD1; macrosialin; CD68 antigen; macrophage antigen CD68; scavenger receptor class D, member 1;
Entrez Gene ID	968
Protein Refseq	NP_001035148
UniProt ID	P34810
Chromosome Location	17p13
Pathway	Lysosome;