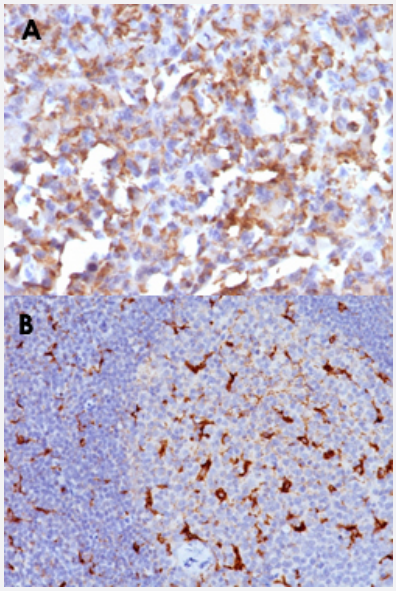
CD68 monoclonal antibody, clone LAMP4/824

Catalog # MAB13482 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human histiocytoma (A) and human tonsil (B) with CD68 monoclonal antibody, clone LAMP4/824 (Cat # MAB13482).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human CD68.
Immunogen	Recombinant protein corresponding to full length human CD68.
Host	Mouse
Theoretical MW (kDa)	110
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa

Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human histiocytoma (A) and human tonsil (B) with CD68 monoclonal antibody, clone LAMP4/824 (Cat # MAB13482).

- Immunofluorescence

- Flow Cytometry

Gene Info — CD68

Entrez GeneID	968
Protein Accession#	P34810
Gene Name	CD68
Gene Alias	DKFZp686M18236, GP110, SCARD1
Gene Description	CD68 molecule
Omim ID	153634
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human mo nocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membr ane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes wit h a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a he avily 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 func tion to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms. [provi ded by RefSeq

Other Designations	CD68 antigen|OTTHUMP00000135285|macrophage antigen CD68|macrosialin|scavenger receptor class D, member 1

Pathway

- Lysosome