ARG42245
anti-CD50 / ICAM3 antibody [MEM-04] (low endotoxin)

Package: 100 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin Mouse Monoclonal antibody [MEM-04] recognizes CD50 / ICAM3
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, IHC-P
Specificity	The antibody MEM-04 reacts with an extracellular epitope of CD50 (ICAM-3), a 120-130 kDa type I membrane protein (immunoglobulin supergene family) expressed on leukocytes, endothelial cells and Langerhans cells; it is negative on platelets and erythrocytes. The MEM-04 blocks DC-SIGN (CD209) binding to ICAM-3 (epitope in D1).
Host	Mouse
Clonality	Monoclonal
Clone	MEM-04
Isotype	IgG1
Target Name	CD50 / ICAM3
Species	Human
Immunogen	Leukocytes of a patient suffering from LGL-type leukemia.
Conjugation	Un-conjugated
Alternate Names	CD50; CD antigen CD50; Intercellular adhesion molecule 3; ICAM-3; ICAM-R; CDw50; CDW50

Application Instructions

Application table

Application	Dilution
FACS	1 - 4 µg/ml
FuncSt	Assay-dependent
IHC-P	10 µg/ml

Application Note

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

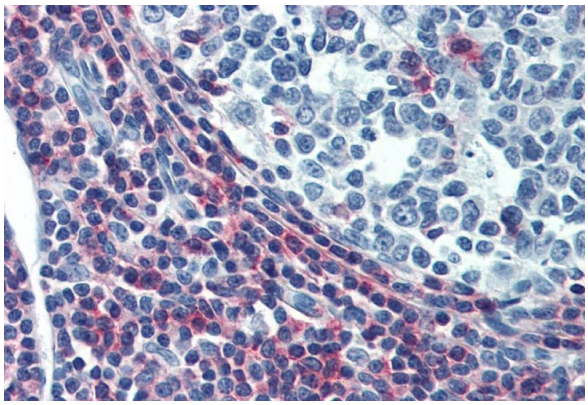
Form	Liquid
Purification	Purification with Protein A.
Purification Note	0.2 µm filter sterilized. Endotoxin level is less than 0.01 EU/µg of the protein.
Buffer	PBS
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ICAM3
Gene Full Name	intercellular adhesion molecule 3
Background	The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]
Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2) (PubMed:1448173). ICAM3 is also a ligand for integrin alpha-D/beta-2. In association with integrin alpha-L/beta-2, contributes to apoptotic neutrophil phagocytosis by macrophages (PubMed:23775590). [UniProt]
Calculated Mw	60 kDa
PTM	Upon stimulation by a physiologic stimuli becomes rapidly and transiently phosphorylated on serine residues. N-glycosylated; glycans consist of a mixture of tri- and tetra-antennary complex-type chains and high-mannose chains. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG42245 anti-CD50 / ICAM3 antibody [MEM-04] (low endotoxin) IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue stained with ARG42245 anti-CD50 / ICAM3 antibody [MEM-04] (low endotoxin).