ARG62419
anti-CD48 antibody [B333 (5-4.8)]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [B333 (5-4.8)] recognizes CD48
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-Fr, WB
Specificity	Reacts with CD48, a 45 kD glycosylphosphatidylinositol linked cell surface molecules.
Host	Mouse
Clonality	Monoclonal
Clone	B333 (5-4.8)
Isotype	IgG2a
Target Name	CD48
Species	Human
Immunogen	Human PBL cell line
Conjugation	Un-conjugated
Alternate Names	Leukocyte antigen MEM-102; B-lymphocyte activation marker BLAST-1; CD48 antigen; BCM1 surface antigen; CD antigen CD48; TCT.1; BLAST1; BCM1; MEM-102; mCD48; Signaling lymphocytic activation molecule 2; BLAST; hCD48; SLAMF2; SLAM family member 2

Application Instructions

Application Note	FACS: 1-5µg for 106 cells. ICC/IF: 5 - 20 µg/ml. IHC-Fr: 5 - 20 µg/ml. WB: 1 - 5 µg/ml. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human Tonsil and Lymph Node

Properties

Form	Liquid
Purification	Protein G purified
Buffer	PBS (pH 8.0) and 0.05% Sodium azide
Preservative	0.05% Sodium azide
Concentration	0.2 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

Database links	GeneID: 962 Human Swiss-port # P09326 Human
Gene Symbol	CD48
Gene Full Name	CD48 molecule
Background	This gene encodes a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Function	Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation. [UniProt]
Research Area	Immune System antibody
Calculated Mw	28 kDa