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CD48 Antibody [156-4H9]

CATALOG NUMBER: 76-757

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	FACS, Func
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The 156-4H9 monoclonal antibody specifically reacts with human CD48, a GPI-linked glycoprotein in the Ig superfamily.
HOST SPECIES:	Mouse

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ph7.2.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C . Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	BCM1, BLAST, hCD48, mCD48, BLAST1, SLAMF2, MEM-102, CD48
OFFICIAL SYMBOL:	CD48
GENE ID:	962

Background

BACKGROUND:	The 156-4H9 monoclonal antibody specifically reacts with human CD48, a GPI-linked glycoprotein in the Ig superfamily. CD48 was previously known as BCM1 in mice, Blast-1 in humans, and OX-45 in rats. Its ligands are CD2 and CD244 and it is expressed on leukocytes to the exclusion of non-hematopoietic cells and its expression increases in B cells upon activation.
REFERENCES:	1) Kato, K., Koyanagi, M., Okada, H., Takanashi, T., Wong, Y. W., Williams, A. F., ... Yagita, H. (1992). CD48 is a counter-receptor for mouse CD2 and is involved in T cell activation.The Journal of experimental medicine,176(5), 1241-1249.
	2) Qin, L., Chavin, K. D., Lin, J., Yagita, H., Bromberg, J. S. (1994). Anti-CD2 receptor and anti-CD2 ligand (CD48) antibodies synergize to prolong allograft survival.The Journal of experimental medicine,179(1), 341-346.
	3) Chavin, K. D., Qin, L., Lin, J., Woodward, J., Baliga, P., Kato, K., ... Bromberg, J. S. (1994). Anti-CD48 (murine CD2 ligand) mAbs suppress cell mediated immunity in vivo.International immunology,6(5), 701-709.

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