CD48 monoclonal antibody, clone 156-4H9

Catalog # MAB15071 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native human CD48.
Immunogen	Native purified human CD48.
Host	Mouse
Theoretical MW (kDa)	45
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells) Functional Study Immunofluorescence (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

- Functional Study
- Immunofluorescence
- Flow Cytometry

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Gene Info — CD48

Entrez GeneID	962
Protein Accession#	P09326
Gene Name	CD48
Gene Alias	BCM1, BLAST, BLAST1, MEM-102, SLAMF2, hCD48, mCD48
Gene Description	CD48 molecule
Omim ID	109530
Gene Ontology	Hyperlink
Gene Summary	BLAST1 is the designation used for an activation-associated cell surface glycoprotein of 40 to 45 kD expressed primarily in mitogen-stimulated human lymphocytes. The protein sequence predicte d by the cDNA encoding BLAST1 indicates that BLAST1 is a member of the immunoglobulin sup ergene family. Yokoyama (1991) identified the BLAST1 activation/adhesion molecule as CD48.[s upplied by OMIM
Other Designations	CD48 antigen (B-cell membrane protein)|OTTHUMP00000025680|OTTHUMP00000060268

Publication Reference

- Flow cytometric measurement of glycosylphosphatidyl-inositol-linked surface proteins on blood cells of patients with paroxysmal nocturnal hemoglobinuria.

  Kwong YL, Lee CP, Chan TK, Chan LC.

  American Journal of Clinical Pathology 1994 Jul; 102(1):30.

  Application: Flow Cyt, Human, Blood cells, Monocytes

- CD48 is a low affinity ligand for human CD2.

  Sandrin MS, Mouhtouris E, Vaughan HA, Warren HS, Parish CR.

  The Journal of Immunology 1993 Nov; 151(9):4606.

- Expression of the Blast-1 activation/adhesion molecule and its identification as CD48.

  Yokoyama S, Staunton D, Fisher R, Amiot M, Fortin JJ, Thorley-Lawson DA.

  Journal of Immunology 1991 Apr; 146(7):2192.

  Application: Flow Cyt, Func, IP, Human, Monkey, B cells, CEM, COS-7, ER-LCL, RAMOS, T cells

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- The isolation of cDNA clones for CD48.

  Vaughan HA, Henning MM, Purcell DF, McKenzie IF, Sandrin MS.

  Immunogenetics 1991 Feb; 33(2):113.

- Hu Ly-M3--a human leukocyte antigen.

  Vaughan HA, Thompson CH, Sparrow RL, McKenzie IF.

  The Journal of Investigative Dermatology 1983 Oct; 36(4):446.

  Application: Flow Cyt, Func, IP, Human, Human PBL

Pathway

- Natural killer cell mediated cytotoxicity

Disease

- Adenocarcinoma
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Schizophrenia

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