

CD48 monoclonal antibody, clone 156-4H9

Catalog # MAB15070 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/10⁶ cells)
Immunofluorescence (0.5-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction Store at 4°C.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

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 predicted by the cDNA encoding BLAST1 indicates that BLAST1 is a member of the immunoglobulin supergene family. Yokoyama (1991) identified the BLAST1 activation/adhesion molecule as CD48.[s applied 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

- [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.

Transplantation 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](#)