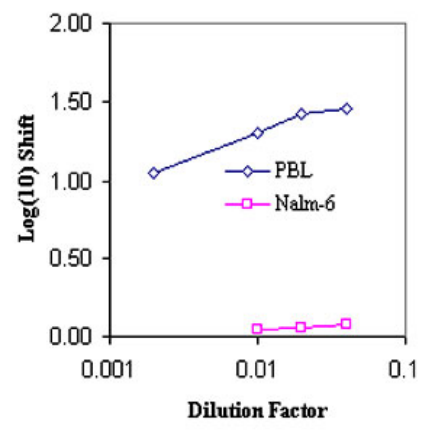
ENTPD1 monoclonal antibody, clone BU61

Catalog # MAB6910 Size 100 ug

Applications



Flow Cytometry

5 X 10^5 ficoll prepared human peripheral blood lymphocytes were washed and incubated 45 minutes on ice with 80 ml of anti-CD39 (FITC) at a 1 : 50 dilution. Cells were washed three times, fixed and analyzed on a BD FACstar plus. A net 2.2% population of the cells stained positive with a mean shift of 1.25 log10 fluorescent units when compared to a Mouse IgG1/FITC negative control at a similar concentration. Binding was 100% blocked when cells were pre incubated 10 minutes with 20 ml of 0.5 mg/mL ENTPD1 monoclonal antibody, clone BU61 (Cat # MAB6910).

Specification

Product Description	Mouse monoclonal antibody raised against native ENTPD1.
Immunogen	Native purified human WM-1 (Waldenstrom's macroglobulinemia) cell line.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM sodium phosphate buffer, 100 mM potassium Chloride, 150 mM NaCl, pH 7.5 (0.5 mg/mL gentamicin sulfate)
Storage Instruction	Store at 4°C.

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Applications

- Flow Cytometry

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Gene Info — ENTPD1

Entrez GeneID	953
Gene Name	ENTPD1
Gene Alias	ATPDase, CD39, DKFZp686D194, DKFZp686I093, FLJ40921, FLJ40959, NTPDase-1
Gene Description	ectonucleoside triphosphate diphosphohydrolase 1
Omim ID	601752
Gene Ontology	Hyperlink
Other Designations	CD39 antigen|OTTHUMP00000020161|ecto-ATP diphosphohydrolase|ecto-apyrase|lymphoid cell activation antigen

Publication Reference

- The CD39 lymphoid cell activation antigen. Molecular cloning and structural characterization.

  Maliszewski CR, Delespesse GJ, Schoenborn MA, Armitage RJ, Fanslow WC, Nakajima T, Baker E, Sutherland GR, Poindexter K, Birks C, et al..

  The Journal of Immunology 1994 Oct; 153(8):3574.

- Cloning and sequencing of a trophoblast-endothelial-activated lymphocyte surface protein: cDNA sequence and genomic structure.

  Voland JR, Wyzykowski RJ, Huang M, Dutton RW.

  PNAS 1992 Nov; 89(21):10425.

  Application : Flow Cyt, IP, Human, Monkey, COS cells, Human trophoblasts

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Pathway

- Purine metabolism
- Pyrimidine metabolism

Disease

- Alzheimer Disease
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Models
- Genetic Predisposition to Disease
- Kidney Failure
- Tobacco Use Disorder

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