ARG22505
anti-CD39 antibody [A1] (low endotoxin)

Package: 100 µg
Store at: -20°C

Summary

Product Description	Azide free and low endotoxin Mouse Monoclonal antibody [A1] recognizes CD39 This antibody recognizes the human CD39 cell surface antigen, a ~70-100 kDa molecule expressed on peripheral blood B cells, T cells and monocytes, and weakly expressed by granulocytes.CD39 has intrinsic ecto-ATPase activity (Wang et al. 1996), and expression can be induced on T cells and increased on B cells, as a late activation antigen (Maliszewski et al. 1994).Mouse anti Human CD39, clone A1 has been shown to block MHC independent target cell recognition by hapten-specific CTL (Scholzen et al. 2001, PMID: 11509616)
Tested Reactivity	Hu
Tested Application	FACS, FuncSt, ICC/IF
Host	Mouse
Clonality	Monoclonal
Clone	A1
Isotype	IgG1
Target Name	CD39
Species	Human
Immunogen	PHA activated human lymphocytes
Conjugation	Un-conjugated
Alternate Names	CD39; Ecto-ATPase 1; Ecto-ATPDase 1; CD antigen CD39; NTPDase-1; ATPDase; EC 3.6.1.5; Ecto-ATP diphosphohydrolase 1; NTPDase 1; Ectonucleoside triphosphate diphosphohydrolase 1; SPG64; Ecto-apyrase; Lymphoid cell activation antigen

Application Instructions

Application table

Application	Dilution
FACS	Neat
FuncSt	Assay-dependent
ICC/IF	Assay-dependent

Application Note: FACS: Use 10ul of the suggested working dilution to label 10^6 cells
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

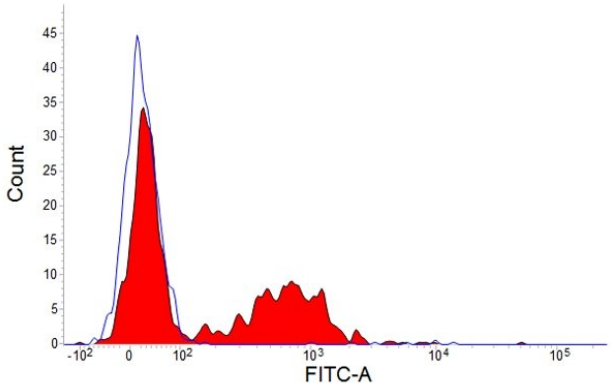
Form	Liquid
Purification	Purification with Protein A.
Purification Note	Low endotoxin

Buffer	PBS
Concentration	1 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

Gene Symbol	ENTPD1
Gene Full Name	ectonucleoside triphosphate diphosphohydrolase 1
Background	The protein encoded by this gene is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015]
Function	In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation by hydrolyzing platelet-activating ADP to AMP. Hydrolyzes ATP and ADP equally well. [UniProt]
Calculated Mw	~ 70 - 100 kDa
PTM	The N-terminus is blocked. Palmitoylated in the N-terminal part.

Images



ARG22505 anti-CD39 antibody [A1] (low endotoxin) FACS image

Flow Cytometry: Human peripheral blood lymphocytes stained with ARG22505 anti-CD39 antibody [A1] (low endotoxin) followed by Rabbit F(ab')2 anti Mouse IgG (FITC).