

ARG42315 anti-CD39 antibody [TU66] (APC)

Package: 50 tests
Store at: 4°C

Summary

Product Description	APC-conjugated Mouse Monoclonal antibody [TU66] recognizes CD39
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The mouse monoclonal antibody TU66, also known as Tü66, recognizes an extracellular epitope of CD39, a 78 kDa cell surface enzyme expressed by regulatory T cells, mantle zone B cells, activated T cells, NK cells, macrophages, dendritic cells, neurons, endothelial cells and platelets.
Host	Mouse
Clonality	Monoclonal
Clone	TU66
Isotype	IgG2b, kappa
Target Name	CD39
Species	Human
Immunogen	Human CD39.
Conjugation	APC
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

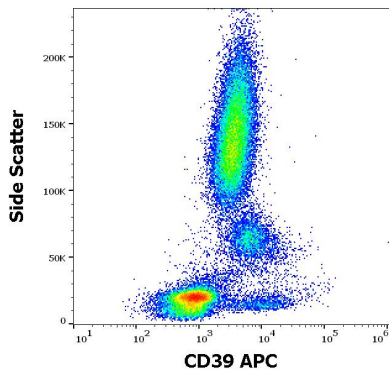
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>FACS</td><td>10 µl / 100 µl of whole blood or 10⁶ cells</td></tr> </table>	Application	Dilution	FACS	10 µl / 100 µl of whole blood or 10 ⁶ cells
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Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				

Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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.

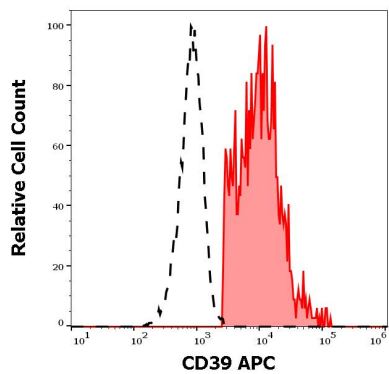
Gene Symbol	ENTPD1
Gene Full Name	ectonucleoside triphosphate diphosphohydrolase 1
Background	The protein encoded by this gene is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants 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	58 kDa
PTM	The N-terminus is blocked. Palmitoylated in the N-terminal part. [UniProt]
Cellular Localization	Membrane; Multi-pass membrane protein. [UniProt]

Images



ARG42315 anti-CD39 antibody [TU66] (APC) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG42315 anti-CD39 antibody [TU66] (APC) at 10 µl / 100 µl of peripheral whole blood.



ARG42315 anti-CD39 antibody [TU66] (APC) FACS image

Flow Cytometry: Separation of Human CD39 positive lymphocytes (red-filled) from Human CD39 negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG42315 anti-CD39 antibody [TU66] (APC) at 10 µl / 100 µl of peripheral whole blood.