

Product Data Sheet

Purified anti-human CD39

Catalog # / Size:	328202 / 100 µg		
Clone:			
Isotype:	Mouse IgG1, κ	8	
Immunogen:	PHA activated human lymphocytes	5 🖊	
Reactivity:	Human, Cross-Reactivity: Rhesus	j /	
Preparation:	The antibody was purified by affinity chromatography.	Relative Cell Number	
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.	avit and a second se	
Concentration:	0.5 mg/ml	2	
Storage:	The antibody solution should be stored undiluted at 4°C.		
Application	IS:	10 ⁰ 10 ¹ 10 ² 10 ³ 10 ⁴ Log Fluoresence Intensity Human peripheral blood lymphocytes	
Applications:	FC - Quality tested IHC, IP - Reported in the literature		
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is $\leq 1.0 \ \mu$ g per 10 ⁶ cells in 100 μ l volume of 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.	stained with purified A1, followed by anti-mouse IgG FITC	
Application Notes:	The A1 antibody binds to the human CD39 cell surface antigen and has been shown to block MHC independent target cell recognition by hapten-specific CTL.		
Application References:	 Aversa GG, et al. 1988. Transplant. P. 20:4952. Aversa GG, et al. 1989. Transplant. P. 21:34950. Borsellino G, et al. 2007. Blood 2007 110:1225. Stockl J, et al. 2001. J. Immunol. 167:2724. Sestak K, et al. 2007. Vet. Immunol. Immunopathol. 119:21. 		
Description:	Human CD39 is an integral membrane protein with two transmembrane domains and exists as a homotetramer. Expression of CD39 is found on activated lymphocytes, a subset of T cells and B cells, and dendritic cells with weak staining on monocytes and granulocytes. Recently, CD39 and CD73 have been found on regulatory T cells, specifically the effector/memory like T cells. CD39 can hydrolyze both nucleoside triphosphates and diphosphates. CD39 is the dominant ecto nucleotidase of vascular and placental trophoblastic tissues and appears to modulate the functional expression of type 2 purinergic (P2) G protein coupled receptors (GPCRs). CD39 has intrinsic ecto-ATPase activity. Expression of CD39 is induced on T cells and increased on B cells as a late activation antigen.		
Related Products	: Product ClonePurified Mouse IgG1, κ Isotype CtrlMOPC-21Cell Staining BufferRBC Lysis Buffer (10X)Human TruStain FcX [™] (Fc Receptor Blocking Solution)	Application FC, ICFC, ICC, IF, IHC, IP, WB FC, ICC, ICFC FC, ICFC FC, ICC, ICFC	



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