



11-136-C100

Monoclonal Antibody to CD157 Purified Antibody (0.1 mg)

Clone:	SY11B5
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody SY11B5 recognizes CD157, an approximately 45 kDa GPI-anchored protein expressed mainly on monocytes, macrophages, granulocytes and bone marrow stromal cells.
Regulatory Status:	RUO
Immunogen:	Human CD157
Species Reactivity:	Human, Non-Human Primates
Application:	Flow Cytometry Immunoprecipitation Western Blotting Application note: non-reducing conditions Immunohistochemistry (frozen sections)
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD157 (cADPr hydrolase 2) is a GPI-anchored ectoenzyme possessing ADP-ribosyl cyclase and cyclic ADP-ribose hydrolase activity. It uses NAD and cADP-ribose as substrates. CD157 is expressed on granulocytes, monocytes, macrophages, follicular dendritic cells, bone marrow stromal cells and human umbilical cord vein endothelial cells. In case of rheumatoid arthritis its expression is often higher and it is also differentially expressed in the myeloid leukemias. It may also have a signaling role.
References:	*Arriga R, Caratelli S, Coppola A, Spagnoli GC, Venditti A, Amadori S, Lanzilli G, Lauro D, Palomba P, Sconocchia T, Del Principe MI, Maurillo L, Buccisano F, Capuani B, Ferrone S, Sconocchia G: Enhancement of anti-leukemia activity of NK cells in vitro and in vivo by inhibition of leukemia cell-induced NK cell damage. *Correia RP, Bento LC, Bortolucci AC, Alexandre AM, Vaz AD, Schimidell D, Pedro EC, Perin FS, Nozawa ST, Mendes CE, Barroso RS, Bacal NS: Technical advances in flow cytometry-based diagnosis and monitoring of paroxysmal nocturnal hemoglobinuria. Einstein (Sao Paulo). 2016 Jul-Sep;14(3):366-373.

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