

Datasheet for ABIN2967170

anti-CD39 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD39 (ENTPD1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD39 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Clone:	TU66
Isotype:	IgG2b kappa
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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	CD39 (ENTPD1)
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Target Details

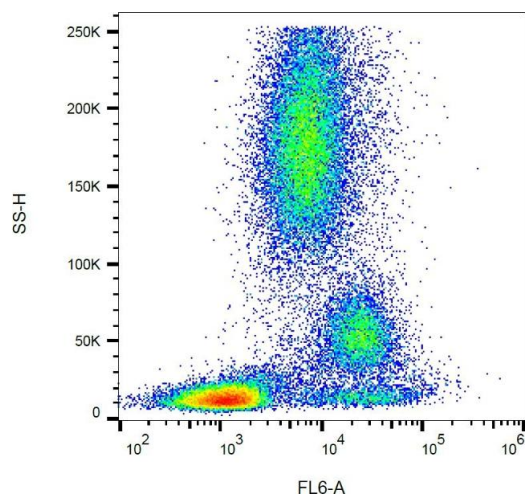
Alternative Name:	CD39 (ENTPD1 Products)
Background:	Ectonucleoside triphosphate diphosphohydrolase 1,CD39, also known as ectonucleoside triphosphate diphosphohydrolase 1 (ENTPD1), is a cell surface enzyme (with intracellular N- and C-terminus) which hydrolyzes extracellular ATP and ADP to AMP. Inhibition of its enzymatic activity may confer anticancer benefits. The formation of oligomers in the plasma membrane is essential for enzyme activity. It is expressed on Treg cells, and in other cell types, such as mantle zone B cells, activated T cells, NK cells, macrophages, dendritic cells, neurons, endothelial cells and platelets. Hydrolysis of ATP and ADP inhibits inflammatory and thrombotic responses. In the nervous system, it regulates purinergic neurotransmission.,ETDH1, LCAA, Ecto-ATPase 1, Ecto-apyrase, ENTPD1
Gene ID:	953
UniProt:	P49961

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of CD39 in human peripheral blood with anti-CD39 (TU66) purified, GAM-APC.