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30-2150: Anti-CD39 Monoclonal Antibody (Clone:TU66)-PE Conjugated

Clonality :	Monoclonal
Clone Name :	TU66
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	ENTPD1
Gene ID :	953
Uniprot ID :	P49961
Alternative Name :	Ecto-ATP diphosphohydrolase 1, Ecto-ATPDase 1, Lymphoid cell activation antigen
Isotype :	Mouse IgG2b

Description

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.

Product Info

Amount :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

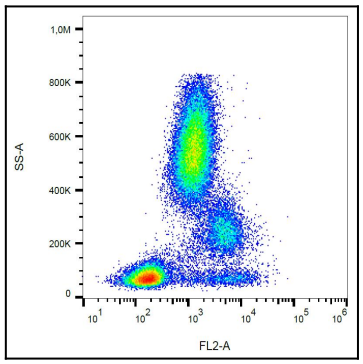

Figure 1: Surface staining of CD39 in human peripheral blood with anti-CD39 (TU66) PE.