



Antibodies

1P-184-T100

Monoclonal Antibody to CD39 Phycoerythrin (PE) conjugated (100 tests)

Clone:	TU66
Isotype:	Mouse IgG2b
Specificity:	The mouse monoclonal antibody TU66, also known as Tü66, recognizes 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. HLDA IV; WS Code A54
Regulatory Status:	RUO
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 5 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.5 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	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.

For laboratory research only, not for drug, diagnostic or other use.

**Antibodies****References:**

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