PE Mouse Anti-human HLA-ABCE Antibody *TP25.99SF, monoclonal*

Catalog number: V103895
Unit size: 0.1 mg

Product Details

Storage Conditions	2-8°C with minimized light exposure. Do not freeze.
Expiration Date	12 months upon receiving
Concentration	Lot specific (please consult certificate of analysis for given lot)
Formulation	Phosphate-buffered saline (PBS, pH 7.2), 15 mM sodium azide, 0.2% (w/v) BSA

Antibody Properties

Species Reactivity	Human
Class	Primary
Clonality	Monoclonal
Host	Mouse
Immunogen	HLA-ABCE
Clone	TP25.99SF
Conjugate	PE

Biological Properties

Preparation	Antibody purified by affinity chromatography and then conjugated with PE under optimal conditions
Application	FC (QC TESTED)

Applications

HLA class I histocompatibility antigen, α chain E is a transmembrane protein with a molecular weight of 46 kDa, expressed in the external side of plasma membrane, recycling endosome membrane and integral component of lumenal side of endoplasmic reticulum membrane of cells. In humans, HLA class I histocompatibility antigen, α chain E has been found to be involved in immune response and natural killer cell mediated immunity. It aids in organismal processes, for instance, antigen processing and presentation of peptide antigen via MHC class I, protection from natural killer cell mediated cytotoxicity and antigen processing and presentation of exogenous peptide antigen via MHC class I, TAP-dependent. It is a suppressor of natural killer cell mediated cytotoxicity while also is a promoter of CD8-, α-beta T cell activation, interleukin-13 production and interleukin-4 production. It binds with T cell receptor, MHC class I protein and β-2-microglobulin. Additionally, sequencing of HLA class I histocompatibility antigen, α chain E has exemplified it contains 3 conserved structural units: cytoplasmic, extracellular and Ig-like C1-type domain. It is the subject of comprehensive study due to the fact that it is involved with the interferon-γ-mediated signaling pathway and type I interferon signaling pathway.