

30-2519: Anti-HLA-F PE (Clone : 3D11)

Clonality :	Monoclonal
Clone Name :	3D11
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Gene :	HLA-F
Gene ID :	3134
Alternative Name :	CDA12,major histocompatibility complex, class I, F
Isotype :	Mouse IgG1
Immunogen Information :	Inclusion body-derived HLA-F heavy chain

Description

HLA-F, an MHC class I molecule, is a type I transmembrane protein (heavy chain), which forms heterodimers with beta-2 microglobulin (light chain) and binds to KIR3DS1, KIR3DS4, KIR3DL2, ILT2, ILT4, and TAP. Unlike most other HLA proteins, HLA-F is mainly localized in the endoplasmic reticulum and Golgi apparatus, with only a small amount present on the cell surface in some cell types; surface expression can be induced by cell activation. It is thought to bind a restricted subset of peptides for immune presentation. Multiple transcript variants encoding different isoforms have been found for HLA-F gene. These variants lack a coding exon found in transcripts from other HLA paralogues due to an altered splice acceptor site, resulting in a shorter cytoplasmic domain.

Specificity : The mouse monoclonal antibody 3D11 recognizes an extracellular epitope of HLA-F, a 42 kDa type I transmembrane protein expressed on B cells, NK cells, monocytes, and T cells, but mainly in the endoplasmic reticulum and Golgi apparatus, only a small amount on the cell surface, where, however, it can be expressed after cell activation.

Product Info

Amount :	0.1 mg
Purification :	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	0.1 mg/ml Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.