

Mouse anti-Human HLA-F Monoclonal Antibody | anti-HLA-F antibody

Anti-HLA-F PE

CATALOG # AAA128331	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

HLA-F; Monoclonal Antibody; Anti-HLA-F PE; major histocompatibility complex; class I; F; CDA12; anti-HLA-F antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3D11
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.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	362
Applicable Applications for anti-HLA-F antibody	FCM/FACS (Flow Cytometry)
Immunogen	Inclusion body-derived HLA-F heavy chain
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-F antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312407
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NCBI GeneID	3134
UniProt Accession #	P30511
NCBI Official Full Name	leukocyte antigen F
NCBI Official Synonym Full Names	major histocompatibility complex, class I, F
NCBI Official Symbol	HLA-F
NCBI Official Synonym Symbols	HLAF; CDA12; HLA-5.4; HLA-CDA12
NCBI Protein Information	HLA class I histocompatibility antigen, alpha chain F
UniProt Protein Name	HLA class I histocompatibility antigen, alpha chain F
UniProt Gene Name	HLA-F
UniProt Synonym Gene Names	HLA-5.4; HLAF
UniProt Entry Name	HLAF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/hla-f-antibody-clone-3d11-flow-cytometry-elisa/128331>