Datasheet for ABIN7013918

# anti-HLA-F antibody

2 Images

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## Overview

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|---|---|
| Quantity: | 0.1 mg |
| Target: | HLA-F (HLAF) |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This HLA-F antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

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| Immunogen: | Inclusion body-derived HLA-F heavy chain |
| Clone: | 3D11 |
| Isotype: | IgG1 |
| Specificity: | The mouse monoclonal antibody 3D11 recognizes an extracellular epitope of HLA-F, a 42 kDa type I transbembrane 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. |
| Purification: | Purified by protein-A affinity chromatography. |

## Target Details

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|---|---|
| Target: | HLA-F (HLAF) |
| Alternative Name: | HLA-F (HLAF Products) |

## Target Details

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| Background: | Major histocompatibility complex, class I, F,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.,CDA12 |
| Gene ID: | 3134 |
| UniProt: | P30511 |
| Pathways: | Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process |

## Application Details

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| Application Notes: | Flow cytometry: Recommended dilution: 1-5 µg/mL, extracellular and intracellular staining. |
| Restrictions: | For Research Use only |

## Handling

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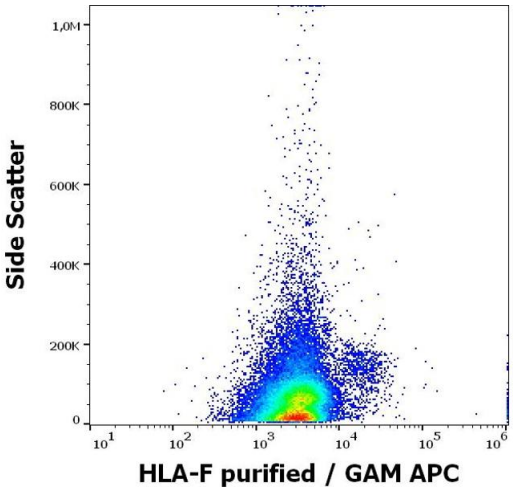
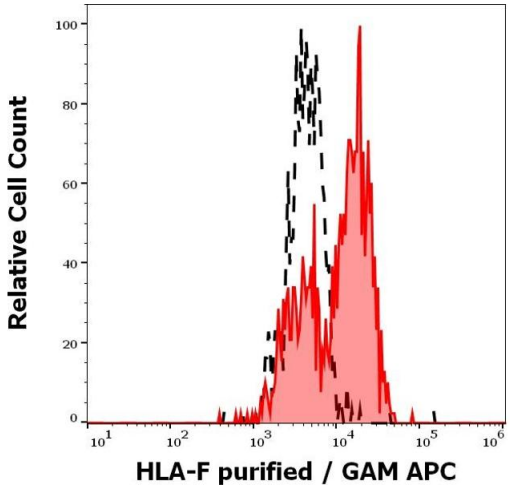
| Concentration: | 1 mg/mL |
| Buffer: | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C. Do not freeze. |




**Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human PMA + Ionomycin stimulated peripheral blood mononuclear cells stained using anti-human MICA/MICB (6D4) purified antibody (concentration in sample 5 µg/mL, GAM APC).




**Flow Cytometry**

**Image 2.** Separation of human activated lymphocytes stained using anti-human HLA-F (3D11) purified antibody (concentration in sample 5 µg/mL, GAM APC, red-filled) from human activated lymphocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining) of human PMA + Ionomycin stimulated peripheral blood mononuclear cells.