

# HLA-F Monoclonal antibody, PBS Only

Catalog Number: 66819-1-PBS

## Basic Information

## Catalog Number:

66819-1-PBS

## Size:

1mg/ml

## Source:

Mouse

## Isotype:

IgG1

## Immunogen Catalog Number:

AG6475

## GenBank Accession Number:

BC062991

## GeneID (NCBI):

3134

## UNIPROT ID:

P30511

## Full Name:

major histocompatibility complex,  
class I, F

## Calculated MW:

39 kDa

## Observed MW:

40-45 kDa

## Purification Method:

Protein G purification

## CloneNo.:

1B12C2

## Applications

## Tested Applications:

WB, IF, IHC, Indirect ELISA

## Species Specificity:

Human

## Background Information

Human major histocompatibility complex (MHC) antigens, also referred to as human leukocyte antigens (HLA), are encoded by genes located on the short arm of chromosome 6 (6p21.3). There are two classes of HLA antigens: class I and class II. This class I molecules are membrane glycoproteins composed of a heavy (alpha) chain which is encoded by a HLA class I gene, and  $\beta$  2-microglobulin light (beta) chain. The most extensively characterized members of the HLA class I gene family are the genes encoding the major transplantation antigens, HLA-A, B and C. HLA-F is a non-classical MHC class I molecule. (PMID: 667938; 3375250; 2249951)

## Storage

## Storage:

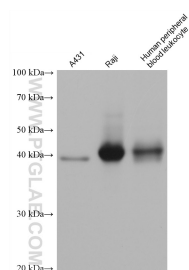
Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

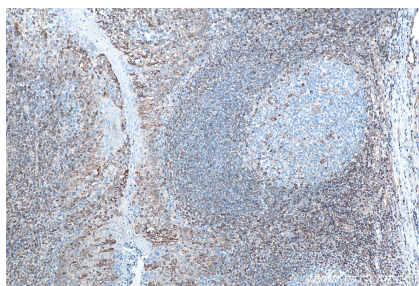
## Storage Buffer:

PBS Only

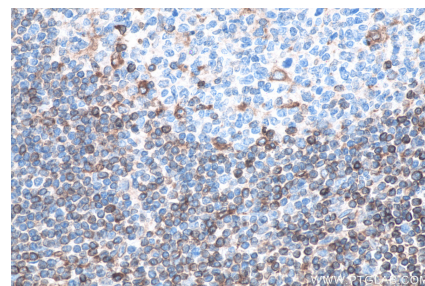
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66819-1-Ig (HLA-F antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66819-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66819-1-Ig (HLA-F antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66819-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66819-1-Ig (HLA-F antibody) at dilution of 1:16000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66819-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Raji cells using HLA-F antibody (66819-1-Ig, Clone: 1B12C2) at dilution of 1:800 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 66819-1-PBS in a different storage buffer formulation.