

HLA-F Monoclonal antibody

Catalog Number: 66819-1-Ig

Basic Information

Catalog Number: 66819-1-Ig	GenBank Accession Number: BC062991	Purification Method: Protein G purification
Size: 150ul , Concentration: 1400 ug/ml by Nanodrop and 940 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3134	CloneNo.: 1B12C2
Source: Mouse	UNIPROT ID: P30511	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:8000-1:32000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: major histocompatibility complex, class I, F	
Immunogen Catalog Number: AG6475	Calculated MW: 39 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human	WB : A431 cells, NCCIT cells, Raji cells, human peripheral blood leukocytes
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human tonsillitis tissue,
	IF/ICC : Raji cells,

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 β 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

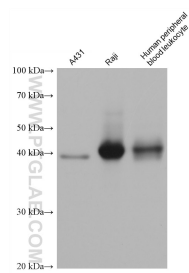
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

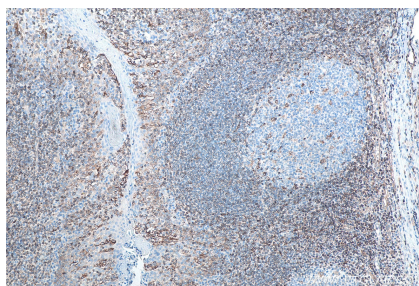
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

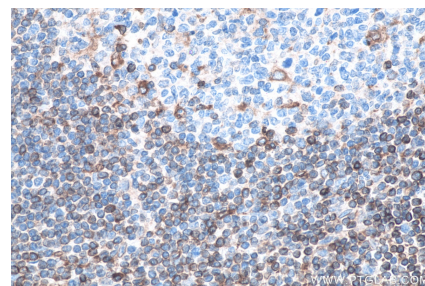
Selected Validation Data



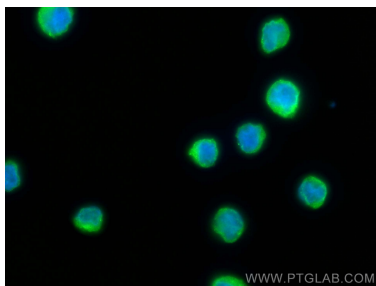
Various lysates were subjected to SDS PAGE followed by western blot with 66819-1-Ig (HLA-F antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



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).



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).