

For Research Use Only

HLA-E Polyclonal antibody

Catalog Number: 15008-1-AP



Basic Information

Catalog Number: 15008-1-AP	GenBank Accession Number: BC002578	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3133	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: major histocompatibility complex, class I, E	
Isotype: IgG	Calculated MW: 40 kDa	
Immunogen Catalog Number: AG6703	Observed MW: 40 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : THP-1 cells, human kidney tissue, human liver tissue, HUVEC cells
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 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-E is a non-classical MHC class I molecule. HLA-E is frequently overexpressed in tumor diseases, transplants and virus-infected cells and represents an immunomodulatory molecule by binding to the receptors CD94/NKG2A, -B and -C on NK and T cells. Due to its immune suppressive features HLA-E expression might represent an important mechanism of tumors to escape immune surveillance. (PMID: 667938; 3375250; 2249951; 27589686)

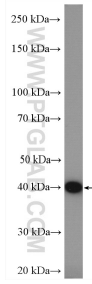
Storage

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

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

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Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 15008-1-AP (HLA-E antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.