

For Research Use Only

# HLA-E Polyclonal antibody

Catalog Number: 15008-1-AP

Featured Product



## Basic Information

Catalog Number:

15008-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6703

GenBank Accession Number:

BC002578

GeneID (NCBI):

3133

UNIPROT ID:

P13747

Full Name:

major histocompatibility complex,  
class I, E

Calculated MW:

40 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: THP-1 cells, human kidney tissue, human liver  
tissue, HUVEC 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  $\beta$  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-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:

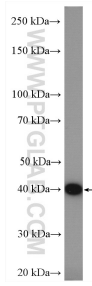
T: 4006900926

E: Proteintech-CN@ptglab.com

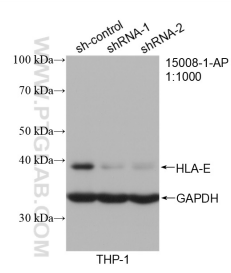
W: ptgcn.com

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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.



WB result of HLA-E antibody (15008-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HLA-E transfected THP-1 cells.