



## HLA-E Polyclonal Antibody

Catalog Number PA5-30600

Product Data Sheet

Details		Species Reactivity	
<b>Size</b>	100µL	<b>Tested species reactivity</b>	Human
<b>Host / Isotype</b>	Rabbit / IgG	<b>Tested Applications</b>	<b>Dilution *</b>
<b>Class</b>	Polyclonal	<b>Immunohistochemistry (Paraffin) (IHC (P))</b>	1:100-1:1000
<b>Type</b>	Antibody	<b>Western Blot (WB)</b>	1:5000-1:20,000
<b>Immunogen</b>	Recombinant fragment corresponding to a region within amino acids 1 and 358 of Human HLA-E	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
<b>Conjugate</b>	Unconjugated		
<b>Form</b>	Liquid		
<b>Concentration</b>	1mg/ml		
<b>Purification</b>	Antigen affinity chromatography		
<b>Storage Buffer</b>	PBS, pH 7, with 1% BSA, 20% glycerol		
<b>Contains</b>	0.01% thimerosal		
<b>Storage Conditions</b>	-20° C, Avoid Freeze/Thaw Cycles		

### Product Specific Information

PA5-30600 targets HLA-E in IHC (P) and WB applications and shows reactivity with Human samples.

The PA5-30600 immunogen is recombinant fragment corresponding to a region within amino acids 1 and 358 of Human HLA-E.

### Background/Target Information

HLA-E belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail.

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