



HLA-E Polyclonal Antibody

Catalog Number PA5-30600

Product Data Sheet

Details		Species Reactivity	
Size	100µL	Tested species reactivity	Human
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000
Type	Antibody	Western Blot (WB)	1:5000-1:20,000
Immunogen	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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1mg/ml		
Purification	Antigen affinity chromatography		
Storage Buffer	PBS, pH 7, with 1% BSA, 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	-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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