

HLA-DRA Antibody

Tested Species Reactivity	
Human (Hu)	
Tested Applications	Dilution *
Western Blot (WB)	1:500-1:3000
Immunofluorescence (IF)	1:100-1:1000
Immunocytochemistry (ICC)	1:100-1:1000
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA5-29814
Size:	100 µL
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit / IgG
Immunogen:	Recombinant fragment corresponding to a region within amino acids 49 and 254 of Human HLA-DRA

Form Information	
Form:	Liquid
Concentration:	0.98mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	0.1M tris, pH 7, with 10% glycerol, 0.1M glycine
Preservative:	0.01% thimerosal
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information	General Information
PA5-29814 targets HLA-DRA in IHC (P) and WB applications and shows reactivity with Human samples.	HLA-DRA is one of the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha and a beta chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. DRA does not have polymorphisms in the peptide binding part and acts as the sole alpha chain for DRB1, DRB3, DRB4 and DRB5.
The PA5-29814 immunogen is recombinant fragment corresponding to a region within amino acids 49 and 254 of Human HLA-DRA.	
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