

For Research Use Only

# FcZero-rAb™ PE Anti-Human HLA-DR (L243) Rabbit IgG Recombinant Antibody

Catalog Number: PE-FcA65560



## Basic Information

<b>Catalog Number:</b> PE-FcA65560	<b>GenBank Accession Number:</b> BC032350	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100tests , 5 ul/test	<b>GeneID (NCBI):</b> 3122	<b>CloneNo.:</b> L243
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000204287	<b>Recommended Dilutions:</b> FC: 5 ul per 10 <sup>6</sup> cells in 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> major histocompatibility complex, class II, DR alpha	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
	<b>Calculated MW:</b> 254 aa, 29 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : human PBMCs,
<b>Species Specificity:</b> human	

## Background Information

HLA-DR is a member of MHC class II molecules encoded by the human leukocyte antigen complex on the region 6p21.31 of chromosome 6. HLA-DR is composed of two non-covalently associated transmembrane glycoproteins (the  $\alpha$  and  $\beta$  chains), and is primarily expressed on B lymphocytes, monocytes, dendritic cells and thymic epithelial cells (PMID: 33125816). HLA-DR participate in the antigen presentation to CD4<sup>+</sup> or CD8<sup>+</sup> T cells and is postulated as a general biomarker of sepsis-induced immunosuppression (PMID: 28199206, 32421903).

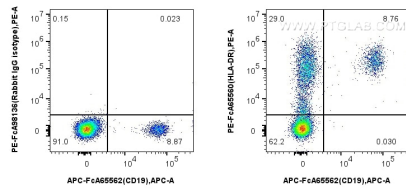
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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)  
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with FcZero-rAb™ APC Anti-Human CD19 (4G7), and 5 ul PE Anti-Human HLA-DR (L243) Rabbit IgG RecAb (PE-FcA65560, Clone: L243) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.