

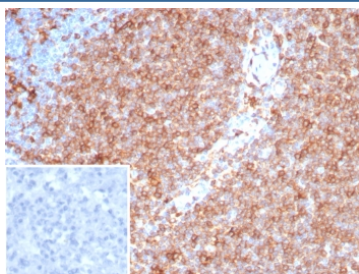
## Pan-HLA-II Antibody / HLA-DP/DQ/DR [clone HLA-Pan/8311R] (V5136)

Catalog No.	Formulation	Size
V5136-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5136-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5136SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

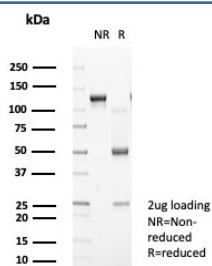
Recombinant **RABBIT MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	HLA-Pan/8311R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P04440, P01908, P01909, P01920, P01903
<b>Localization</b>	Cell Surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Pan-HLA-II antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with Pan-HLA-II antibody (clone HLA-Pan/8311R). Inset: PBS used in place of primary Ab (secondary Ab negative control).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Pan-HLA-II(HLA-Pan/8311R) as confirmation of integrity and purity.

## Description

Reacts with a common epitope of human major histocompatibility (MHC) class II antigens, HLA-DP, -DQ and -DR. Human MHC class II antigens are transmembrane glycoproteins composed of an alpha chain (36kDa) and a beta chain (27kDa). They are expressed primarily on antigen presenting cells such as B lymphocytes, monocytes, macrophages, and thymic epithelial cells and are also present on activated T lymphocytes. Human MHC class II genes are located in the HLA-D region that encodes at least six alpha and ten beta chain genes. Three loci, DR, DQ and DP, encode the major expressed products of the human class II region. The human MHC class II molecules bind intracellularly processed peptides and present them to T-helper cells. They, therefore, have a critical role in the initiation of the immune response.

## Application Notes

Optimal dilution of the Pan-HLA-II antibody should be determined by the researcher.

## Immunogen

Priess cells (a human B cell line) were used as the immunogen for the Pan-HLA-II antibody.

## Storage

Aliquot the Pan-HLA-II antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.