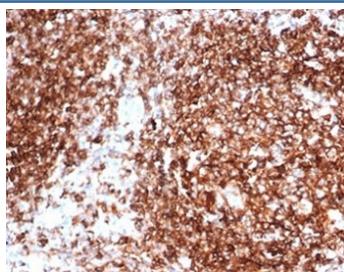


## Pan-HLA Antibody MHC II (DP/DQ/DR) [clone HLA-Pan/6663] (V8840)

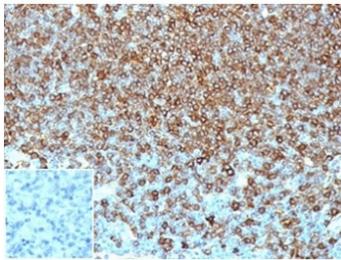
Catalog No.	Formulation	Size
V8840-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8840-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8840SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	HLA-Pan/6663
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P04440 (HLA-DP); P01908; P01909; P01920 (HLA-DQ); P01903 (HLA-DR)
<b>Localization</b>	Cell Surface
<b>Applications</b>	Flow Cytometry : 1-2ug/million cells Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This Pan-HLA antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with Pan-HLA antibody (clone HLA-Pan/6663).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lymph node tissue with Pan-HLA antibody (clone HLA-Pan/6663). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## 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 antibody should be determined by the researcher.

## Immunogen

Priess human B cell line was used as the immunogen for the Pan-HLA antibody.

## Storage

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