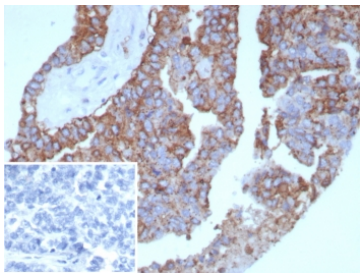
Pan-HLA Antibody / HLA-DP/DQ/DR [clone rHLA-Pan/8847] (V5135)

Catalog No.	Formulation	Size
V5135-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5135-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5135SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

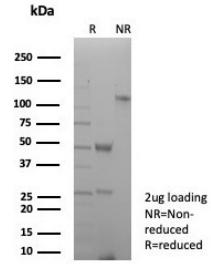
Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rHLA-Pan/8847
Purity	Protein A/G affinity
UniProt	P04440, P01908, P01909, P01920, P01903
Localization	Cell Surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Pan-HLA antibody is available for research use only.



IHC staining of FFPE human ovarian cancer tissue with Pan-HLA antibody (clone rHLA-Pan/8847). Inset: PBS instead of primary, secondary negative control.



SDS-PAGE analysis of purified, BSA-free Pan-HLA antibody (clone rHLA-Pan/8847) 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 antibody should be determined by the researcher.

Immunogen

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

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com