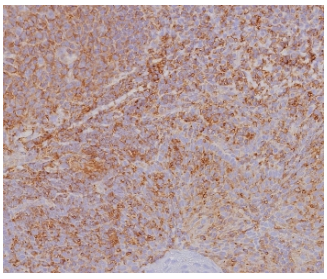
HLA-ABC Antibody / MHC I [clone MHC-I/8366R] (V5132)

Catalog No.	Formulation	Size
V5132-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5132-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5132SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

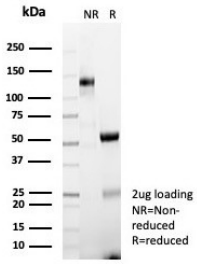
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MHC-I/8366R
Purity	Protein A/G affinity
UniProt	P01889, P30443, P30499
Localization	Cell Surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This HLA-ABC antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with HLA-ABC antibody (clone MHC-I/8366R). 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 HLA-ABC antibody (clone MHC-I/8366R) as confirmation of integrity and purity.

Description

Major Histocompatibility Complex (MHC) is a genetic region on chromosomes composed of tightly linked highly polymorphic gene loci that encode cell surface specific proteins, depending on the structure and function of genes and coding products. We divide MHC into class I (telomeric), class II (centromeric) and class III gene regions. Endogenous antigen presentation is presented by the major histocompatibility complex I (MHC I) pathway. Intracytoplasmic proteins are decomposed into peptides during protease degradation, which in turn are delivered by HSP41 and HSP90 proteins to TAP on the membrane. MHC I is widely distributed on the surface of almost all nucleated cells, including spleen, lymph nodes and thymus lymphocytes in normal tissues. It is also expressed in skin, lung, kidney, liver and heart tissues. It is also widely expressed in tumor tissues. MHC molecular typing is related to the matching of organ transplantation and bone marrow transplantation, as well as a variety of autoimmune diseases.

For additional information on HLA class I biology and complementary antibody validation, visit our HLA-ABC Antibody MHC-I/8147R / MHC Class I Antibody page.

Application Notes

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

Immunogen

A recombinant partial protein sequence (within amino acids 100-300) from the human protein was used as the immunogen for the HLA-ABC antibody.

Storage

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

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