Recombinant HLA Class 1 ABC (MHC I) Antibody

Rabbit Monoclonal Antibody [Clone MHC-I/8147R]

Catalog No	Format	Size
RBM3-8147-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
RBM3-8147-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
RBM3-8147-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

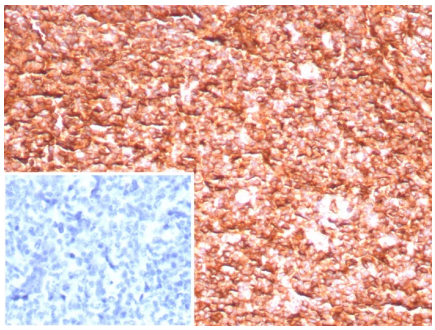
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

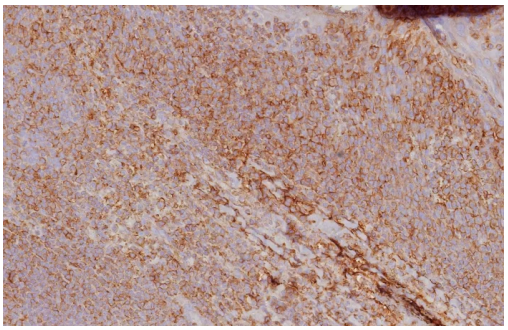
Clone	MHC-I/8147R
Gene Name	HLA-B
Immunogen	Recombinant fragment (around aa100-300) of human HLA-I protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	40/41kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	Human tonsil or lymph node.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant HLA Class 1 ABC (MHC I) Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with HLA 1 ABC Recombinant Rabbit Monoclonal Antibody (MHC-I/8147R). Inset: PBS instead of primary antibody; secondary only negative control.



Formalin-fixed, paraffin-embedded human tonsil stained with HLA 1 ABC Recombinant Rabbit Monoclonal Antibody (MHC-I/8147R). HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

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 ? ?, class ? ? and class ? ? gene regions. Endogenous antigen presentation is presented by the major histocompatibility complex ? ? (MHC ? ?) 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 ? ? 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Infectious Disease

Limitations and Warranty