

HLA-E Recombinant Mouse mAb

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Catalog # AP94359

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG2a, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
SIMILARITY	Belongs to the MHC class I family. Contains 1 Ig-like C1-type (immunoglobulin-like) domain.
SUBUNIT	Heterodimer of an alpha chain and a beta chain (beta-2-microglobulin).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HLA-E belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. [provided by RefSeq, Jul 2008]

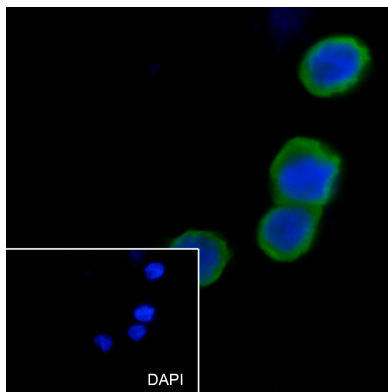
Additional Information

Dilution	WB=1:500-1:1000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50,IF=0
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

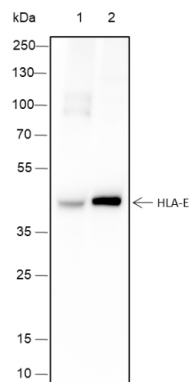
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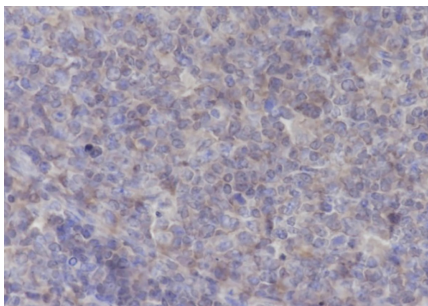
Images



Cell line: THP-1 Fixative: 4% Paraformaldehyde
 Permeabilization: 0.1% TritonX-100 Primary Ab dilution:
 1:50 Primary incubation condition: 4°C overnight
 Secondary Ab: Goat Anti-Mouse IgG Nuclear counter
 stain: DAPI (Blue) Comment: Color green is the positive
 signal for AP94359



Blocking buffer: 5% NFDM/TBST Primary Ab dilution:
 1:1000 Primary Ab incubation condition: 2 hours at room
 temperature Secondary Ab: Goat Anti-Mouse IgG H&L
 (HRP) Lysate: 1: THP-1, 2: Raji Protein loading quantity: 20
 μ g Exposure time: 3 s Predicted MW: 40 kDa Observed
 MW: 40 kDa



Tissue: Human tonsil Section type: Formalin fixed &
 Paraffin -embedded section Retrieval method: High
 temperature and high pressure Retrieval buffer:
 Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100
 Primary Ab incubation condition: 1 hour at room
 temperature Secondary Ab: SP Kit(Mouse)(sp-0024)
 Counter stain: Hematoxylin (Blue) Comment: Color brown
 is the positive signal for AP94359

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.