

Datasheet

HLA-B purified MaxPab rabbit polyclonal antibody (D01P)

Catalog Number: H00003106-D01P

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against a full-length human HLA-B protein.

Immunogen: HLA-B (AAH13187.1, 1 a.a. ~ 362 a.a) full-length human protein.

Sequence:

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MRVTAPRTVLLLLSGALALTETWAGSHSMRYFYTAMS  
RPGRGEPFRFISVGYVDDTQFVRFSDAASPREEPRAP  
WIEQEGPEYWRNTQICKTNTQTYRESLRNLRGYYN  
QSEAGSHTLQRMYGCDVGPDRLLRGRHDQYAYDGK  
DYIALNEDLSSWTAADTAAQITQRKWEAAREAEQLRA  
YLEGLCWEVLRRYLENGKETLQRADPPKTHVTHHPIS  
DHEATLRCWALGFYPAEITLTWQRDGEDQTQDTELVE  
TRPAGDRTFQKWAAVVVPSGEEQRYTCHVQHEGLPK  
PLTLRWEVSSQSTIPIVIVAGLAVLAVVVIGAVVATVM  
CRRKSSGGKGGSYSQAASSDSAQGSVDVSLTA
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Host: Rabbit

Reactivity: Human

Applications: WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3106

Gene Symbol: HLA-B

Gene Alias: AS, HLA-B-7301, HLA-B73, HLAB, HLAC, SPDA1

Gene Summary: HLA-B 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. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exon 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. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-B alleles have been described. [provided by RefSeq]