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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

HLA-A (Human) Recombinant Protein (P01)

Catalog Number: H00003105-P01

Regulation Status: For research use only (RUO)

Product Description: Human HLA-A full-length ORF (AAH03069, 24 a.a. - 365 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
AGSHSMRYFFTSVSRPGRGEPRFIAVGYVDDTQFVRF
DSDAASQKMEPRAPWIEQEGPEYWDQETRNMKAHS
QTDRANLGTLRGYYNQSEDGSHTIQIMYGCDVGPDG
RFLRGYRQDAYDGKDYIALNEDLRSWTAADMAAQITK
RKWEAVHAAEQRRVYLEGRCVDGLRRYLENGKETLQ
RTDPPKTHMTHHPISDHEATLRCWALGFYPAEITLTW
QRDGEDQTQDTELVETRPAGDGTFQKWAAVVVPSGE
EQRYTCHVQHEGLPKPLTLRWELSSQPTIPIVGIIAGLV
LLGAVITGAVVAAVMWRRKSSDRKGGSYTQAASSDS
AQGSDVSLTACKV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 63.36

Interspecies Antigen Sequence: Mouse (67)

Applications: AP, Array, ELISA, WB-Re
(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

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3105

Gene Symbol: HLA-A

Gene Alias: HLAA

Gene Summary: HLA-A 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, 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. 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-A alleles have been described. [provided by RefSeq]