

HLA B7 Rabbit pAb

db2713

Package : 20µL 50µL 100µL

Product Name : HLA B7 Rabbit pAb**Cat.No.:** db2713**Synonyms** : AS; HLAB; B-4901**Application** : WB, IHC**Reactivity** : Human**Host species** : Rabbit**Background**

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, Jul 2008]

Immunogen

A synthetic peptide of human HLA B7

Gene ID

3106

Swiss Prot

P01889

Synonyms

AS; HLAB; B-4901

Reactivity

Human

Application

WB, IHC

Recommended dilution

WB: 1:1000-1:5000

IHC: 1:50-1:200

Calculated MW

41 kDa

Observed MW

41 kDa

Host species

Rabbit

Clonality

Polyclonal

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.