

Recombinant

DGRmAb®

MHC Class I (DGR19113) Rabbit mAb (PBS Only)

db11335-PBS

Package : 100µg

Product Name : MHC Class I (DGR19113) Rabbit mAb (PBS Only)**Cat.No.:** db11335-PBS**Synonyms** : HLAA**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human**Host species** : Rabbit**Background**

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, Jul 2008]

Immunogen

Recombinant protein of human MHC Class I

Gene ID

3105, 3106, 3107

Swiss Prot

P01889, P30443, P30499

Synonyms

HLAA

Reactivity

Human

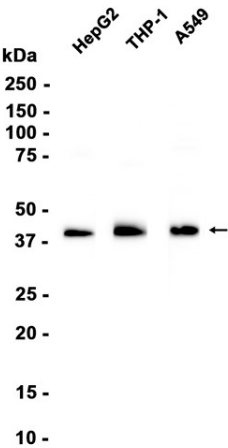
Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilutionWB: 1:1000
IHC-P: 1:500-1:2000
ICC/IF: 1:100-1:200
FC: 1:200-1:500
IP: 1:20-1:50**Calculated MW**

41 kDa

Observed MW	41 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19113
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HepG2, THP-1, A549 cells using [db11335](#)