Recombinant DGRmAb®

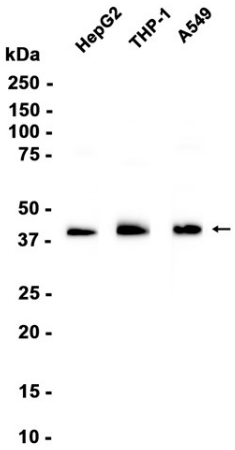
MHC Class I (DGR19113) Rabbit mAb

db11335 **Package : 10μL 20μL 50μL 100μL**

Product Name : MHC Class I (DGR19113) Rabbit mAb
Cat.No.: db11335
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 dilution	WB: 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
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.



Western blot analysis of extracts from HepG2，THP-1，A549 cells using db11335 at 1:1000.