Recombinant DGRmAb®

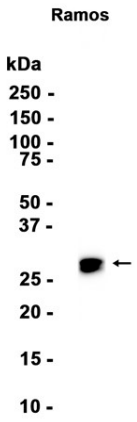
HLA Class II DRB1 (DGR19965) Rabbit mAb

db14399 **Package : 10μL 20μL 50μL 100μL**

Product Name : HLA Class II DRB1 (DGR19965) Rabbit mAb
Cat.No.: db14399
Synonyms : SS1; DRB1; HLA-DRB; HLA-DR1B
Application : WB, IHC-P, ICC/IF
Reactivity : Human
Host species : Rabbit

Background	HLA-DRB1 belongs to the HLA class II beta chain paralogs. The class II molecule is a heterodimer consisting of an alpha (DRA) and a beta chain (DRB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa. It is encoded by 6 exons. Exon one encodes the leader peptide; exons 2 and 3 encode the two extracellular domains; exon 4 encodes the transmembrane domain; and exon 5 encodes the cytoplasmic tail. Within the DR molecule the beta chain contains all the polymorphisms specifying the peptide binding specificities. Hundreds of DRB1 alleles have been described and typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. DRB1 is expressed at a level five times higher than its paralogs DRB3, DRB4 and DRB5. DRB1 is present in all individuals. Allelic variants of DRB1 are linked with either none or one of the genes DRB3, DRB4 and DRB5. There are 4 related pseudogenes: DRB2, DRB6, DRB7, DRB8 and DRB9. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human HLA Class II DRB1
Gene ID	3123
Swiss Prot	P01911
Synonyms	SS1; DRB1; HLA-DRB; HLA-DR1B
Reactivity	Human
Application	WB, IHC-P, ICC/IF
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:200-1:2000 ICC/IF: 1:50
Calculated MW	30 kDa

Observed MW	30 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19965
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 Ramos cells using db14399 at 1:1000.