

CAB0439

Product Information

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| Product SKU: | CAB0439 | Gene ID: | 3126 | Size: | 20uL, 100uL |
| Clone No: | ARC2505 | Host Species: | Rabbit | Reactivity: | Human |

Additional Information

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|-----------------------|-------|-------------------|------------|
| Observed MW: | 30kDa | Conjugate: | Unmodified |
| Calculated MW: | 30kDa | Isotype: | IgG |

Immunogen Information

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| Background: | HLA-DRB4 belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DRA) and a beta (DRB) chain, 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. The beta chain is approximately 26-28 kDa and its gene contains 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. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. There are multiple pseudogenes of this gene. |
| Recommended Dilution: | WB,1:500 - 1:1000 |
| Synonyms: | DR4; DRB4; HLA-DRB; HLA-DR4B; HLA-DRB4 |
| Purification Method: | Affinity purification |
| Immunogen: | A synthetic peptide corresponding to a sequence within amino acids 50-150 of human HLA-DRB4 (P13762). |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3. |