

Recombinant Human HLA-DPB1

Catalog No: #GP13124



Package Size: #GP13124-1 100ug

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Description

Product Name	Recombinant Human HLA-DPB1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 29-257 amino acids of human HLA-DPB1
Target Name	major histocompatibility complex, class II, DP beta 1
Other Names	DPB1; HLA-DP; HLA-DPB; HLA-DP1B
Accession No.	Swissprot:P04440Gene Accession:BC015000
Uniprot	P04440
GeneID	3115;
Storage	-20~-80°C, pH 7.6 PBS

Background

HLA-DPB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DPA) and a beta chain (DPB), 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 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 DP molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to 4 different molecules.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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