

Recombinant Human HLA 293 Cell Lysate

Cat. No. HLA-DPB1-5505HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for major histocompatibility complex, class II, DP beta 1 (HLA-DPB1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

HLA-DPB1 major histocompatibility complex, class II, DP beta 1 [Homo sapiens]

Official Symbol

HLA-DPB1

Synonyms

HLA-DPB1; major histocompatibility complex, class II, DP beta 1; HLA DP1B; HLA class II histocompatibility antigen, DP beta 1 chain; MHC HLA DPB1; HLA DP14-beta chain; MHC class II HLA-DRB1; class II HLA beta chain; MHC class II HLA-DP-beta; MHC class II antigen DPB1; MHC class II HLA-DP-beta-1; MHC class II antigen DPbeta1; MHC class II antigen beta chain; beta1 domain MHC class II HLA DPB; MHC class II antigen DP beta 1 chain; HLA-DP histocompatibility type, beta-1 subunit; HLA class II histocompatibility antigen, DP(W4) beta chain; major histocompatibility complex class II HLA DPB1 protein; major histocompatibility complex class II antigen beta chain; DPB1; HLA-DP; HLA-DPB; HLA-DP1B; FLJ57621; FLJ61008;

Gene ID

3115

mRNA Refseq

NM_002121

Protein Refseq

NP_002112

MIM

142858

UniProt ID

P04440

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Chromosome Location	6p21.3
Pathway	Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem;

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