

## Recombinant Human HLA 293 Cell Lysate

Cat. No. HLA-DQB1-5496HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [HLA-DQB1 major histocompatibility complex, class II, DQ beta 1 \[ Homo sapiens \]](#)

**Official Symbol** [HLA-DQB1](#)

**Synonyms** [HLA-DQB1](#); major histocompatibility complex, class II, DQ beta 1; HLA DQB; HLA class II histocompatibility antigen, DQ beta 1 chain; CELIAC1; IDDM1; MHC DQ beta; MHC class2 antigen; lymphocyte antigen; MHC class II antigen DQB1; MHC class II DQ beta chain; MHC class II antigen HLA-DQ-beta-1; MHC class II HLA-DQ beta glycoprotein; HLA-DQB;

**Gene ID** [3119](#)

**mRNA Refseq** [NM\\_001243961](#)

**Protein Refseq** [NP\\_001230890](#)

**MIM** [604305](#)

**UniProt ID** [P01920](#)

**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](#)

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biosystem;

**Function**

MHC class II receptor activity; peptide antigen binding; repressing transcription factor binding; toxin binding; ubiquitin protein ligase binding;

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