

Recombinant Human HLA 293 Cell Lysate

Cat. No. HLA-DRB5-5497HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for major histocompatibility complex, class II, DR beta 5 (HLA-DRB5) 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-DRB5 major histocompatibility complex, class II, DR beta 5 [Homo sapiens]

Official Symbol

HLA-DRB5

Synonyms

HLA-DRB; major histocompatibility complex, class II, DR beta 5; DR9; dw2; DR-9; DR beta-5; DR2-beta-2; MHC HLA-DR-beta chain; MHC class II antigen DRB5; leukocyte antigen class II; MHC class II HLA beta chain; MHC class II antigen DRB1*9; human leukocyte antigen; DRB5; MHC HLA-DR-beta cell surface glycoprotein; HLA class II histocompatibility antigen, DR beta 5 chain; HLA class II; histocompatibility antigen, DR-5 beta chain; HLA class II histocompatibility antigen, DRB1-9 beta chain

Gene ID

3127

mRNA Refseq

NM_002125

Protein Refseq

NP_002116

MIM

604776

UniProt ID

Q30154

Chromosome Location

6p21.3

Pathway

Adaptive Immune System, organism-specific biosystem; Costimulation by the CD28

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family, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem; Generation of second messenger molecules, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem;

Function	peptide antigen binding
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