

Recombinant Human HLA 293 Cell Lysate

Cat. No. HLA-DQA2-5494HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for major histocompatibility complex, class II, DQ alpha 2 (HLA-DQA2) 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.
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

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

GENE INFORMATION

Gene Name	HLA-DQA2 major histocompatibility complex, class II, DQ alpha 2 [Homo sapiens]
Official Symbol	HLA-DQA2
Synonyms	HLA-DQA2; major histocompatibility complex, class II, DQ alpha 2; HLA DXA; HLA class II histocompatibility antigen, DQ alpha 2 chain; HLA-DQA1; DX alpha chain; MHC class II DQA2; HLA class II histocompatibility antigen, DQ(6) alpha chain; HLA-DXA; DX-ALPHA;
Gene ID	3118
mRNA Refseq	NM_020056
Protein Refseq	NP_064440
MIM	613503
UniProt ID	P01906
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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Function

MHC class II receptor activity;

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