

## Recombinant Human HLA 293 Cell Lysate

Cat. No. HLA-C-5498HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for major histocompatibility complex, class I, C (HLA-C) 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-C major histocompatibility complex, class I, C \[ Homo sapiens \]](#)

**Official Symbol** HLA-C

**Synonyms** major histocompatibility complex, class I, C; 4933; Ensembl:ENSG00000204525; FLJ27082; HLA class I histocompatibility antigen, Cw-1 alpha chain;MHC class I antigen heavy chain HLA-C;human leukocyte antigen-C alpha chain;major histocompatibility antigen HLA-C;HLA class I histocompatibility antigen, C alpha chain; HLC-C; D6S204; PSORS1; HLA-JY3

**Gene ID** [3107](#)

**mRNA Refseq** [NM\\_001243042.1](#)

**Protein Refseq** [NP\\_001229971.1](#)

**MIM** [142840](#)

**UniProt ID** [O19617](#)

**Chromosome Location** 6p21.3

**Pathway** Adaptive Immune System, organism-specific biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen

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processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem;

**Function**

MHC class I receptor activity;

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