

Recombinant Human MR1 293 Cell Lysate

Cat. No. MR1-4215HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for major histocompatibility complex, class I-related (MR1) 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

MR1 major histocompatibility complex, class I-related [Homo sapiens]

Official Symbol

MR1

Synonyms

MR1; major histocompatibility complex, class I-related; HLALS, major histocompatibility complex, class I like sequence; major histocompatibility complex class I-related gene protein; MHC class I-like antigen MR-1; MHC class I-related gene protein; MHC class-I related-gene protein; class I histocompatibility antigen-like protein; major histocompatibility complex, class I-like sequence; HLALS; FLJ31593;

Gene ID

3140

mRNA Refseq

NM_001194999

Protein Refseq

NP_001181928

MIM

600764

UniProt ID

Q95460

**Chromosome
Location**

1q25.3

Function

MHC class I receptor activity;

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