

Recombinant Human CD247 293 Cell Lysate

Cat. No. CD247-7679HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for CD247 molecule (CD247), transcript variant 1 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	CD247 CD247 molecule [Homo sapiens]
Official Symbol	CD247
Synonyms	CD247; CD247 molecule; CD3Z, CD3z antigen, zeta polypeptide (TiT3 complex) , CD247 antigen; T-cell surface glycoprotein CD3 zeta chain; CD3H; CD3Q; CD3zeta chain; TCR zeta chain; CD247 antigen, zeta subunit; T-cell receptor T3 zeta chain; CD3Z antigen, zeta polypeptide (TiT3 complex); T-cell antigen receptor complex, zeta subunit of CD3; T3Z; CD3Z; TCRZ; CD3-ZETA;
Gene ID	919
mRNA Refseq	NM_000734
Protein Refseq	NP_000725
MIM	186780
UniProt ID	P20963
Chromosome Location	1q22-q25
Pathway	Adaptive Immune System, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Costimulation by the CD28 family, organism-specific

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biosystem; Disease, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem;

Function

identical protein binding; protein binding; protein homodimerization activity; receptor activity; transmembrane signaling receptor activity;

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