

Recombinant Human DIABLO 293 Cell Lysate

Cat. No. DIABLO-6927HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for diablo homolog (Drosophila) (DIABLO), nuclear gene encoding mitochondrial protein, 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	DIABLO diablo, IAP-binding mitochondrial protein [Homo sapiens]
Official Symbol	DIABLO
Synonyms	DIABLO; diablo, IAP-binding mitochondrial protein; diablo homolog, mitochondrial; DFNA64; DIABLO S; FLJ10537; FLJ25049; second mitochondria derived activator of caspase; SMAC; 0610041G12Rik; mitochondrial Smac protein; direct IAP-binding protein with low pI; second mitochondria-derived activator of caspase; SMAC3; DIABLO-S;
Gene ID	56616
mRNA Refseq	NM_019887
Protein Refseq	NP_063940
MIM	605219
UniProt ID	Q9NR28
Chromosome Location	12q24.31
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic factor-mediated response, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Intrinsic Pathway for Apoptosis, organism-specific biosystem; Release of apoptotic factors from the mitochondria, organism-

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specific biosystem; SMAC binds to IAPs, organism-specific biosystem;

Function

protein binding;

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