

Recombinant Cynomolgus CD3D & CD3E cell lysate

Cat. No. CD3D & CD3E-1179CCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus CD3D & CD3E Heterodimer derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Cynomolgus
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on

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	SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	CD3D CD3d molecule, delta (CD3-TCR complex) [<i>Macaca fascicularis</i>]; CD3E CD3e molecule, epsilon (CD3-TCR complex) [<i>Macaca fascicularis</i>]
Official Symbol	CD3D; CD3E
Synonyms	T-cell surface glycoprotein CD3 delta chain; CD3 delta; T-cell receptor T3 delta chain; T-cell surface glycoprotein CD3 epsilon chain; CD3 epsilon FN18+; CD3 epsilon FN18-
Gene ID	102133701; 102133065
mRNA Refseq	NM_001287688; NM_001283615
Protein Refseq	NP_001274617; NP_001270544
UniProt ID	Q95LI8; Q95LI5

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Chromosome Location	chromosome: 14; chromosome: 14
Pathway	Chagas disease (American trypanosomiasis), organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem. Chagas disease (American trypanosomiasis), organism-specific biosystem; HTLV-I infection, organism-specific biosystem; Primary immunodeficiency, conserved biosystem

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