

CD3E Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_000724.1

Catalog No. A304-291A-T GenelD 916

Lot No. A304-291A-T-1

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human
AMOUNT	10 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8°C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to CD3E immobilized on solid support.

The epitope recognized by A304-291A-T maps to a region between residue 157 to 207 of human CD3e Molecule, Epsilon (CD3-TCR Complex) using the numbering given in entry NP_000724.1 (GenelD 916).

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:2,000 – 1:10,000

Immunoprecipitation 2 – 10 µg/mg lysate

Immunohistochemistry 1:1,000 – 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

ADDITIONAL INFO <https://www.bethyl.com/product/A304-291A-T>

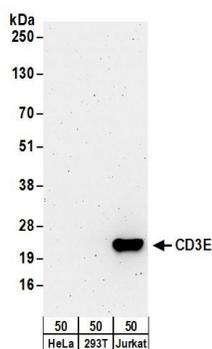
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

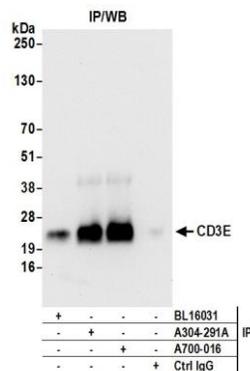
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Michael Spencer, PhD

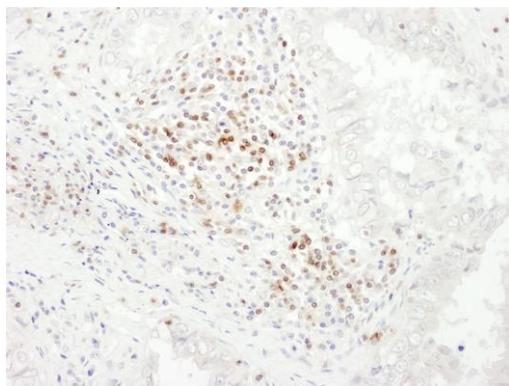
Date: June 6, 2022



Detection of human CD3E by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells. *Antibodies:* Affinity purified rabbit anti-CD3E antibody A304-291A (lot A304-291A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human CD3E by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells. *Antibodies:* Affinity purified rabbit anti-CD3E antibody A304-291A (lot A304-291A-1) used for IP at 6 µg per reaction. CD3E was also immunoprecipitated by rabbit anti-CD3E antibody BL16032 and rabbit anti-CD3E recombinant monoclonal antibody [BL-298-5D12] (A700-016). For blotting immunoprecipitated CD3E, A700-016 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human CD3E by immunohistochemistry. *Sample:* FFPE section of human lung cancer infiltrate. *Antibody:* Affinity purified rabbit anti-CD3E (Cat. No. A304-291A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* DAB