

CD45 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID P08575.2

Catalog No. A304-376A-T GenelD 5788

Lot No. A304-376A-T-1

APPLICATIONS	WB, IP, IHC, ICC-IF
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 CD45 immobilized on solid support.

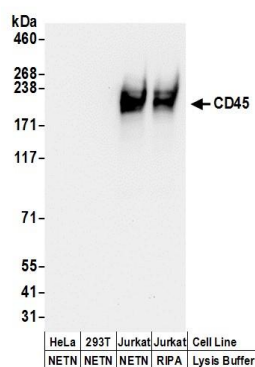
The epitope recognized by A304-376A-T maps to a region between residue 1254 to 1304 of human CD45 Molecule using the numbering given in entry P08575.2 (GeneID 5788).

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

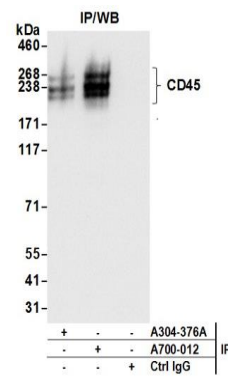
Western Blot	1:2,000 – 1:10,000
Immunoprecipitation	2 – 10 µg/mg lysate
Immunohistochemistry	1:1,000 – 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Immunofluorescence (ICC)	1:1,000 – 1:5,000. Acetone or Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.

ADDITIONAL INFO <https://www.bethyl.com/product/A304-376A-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

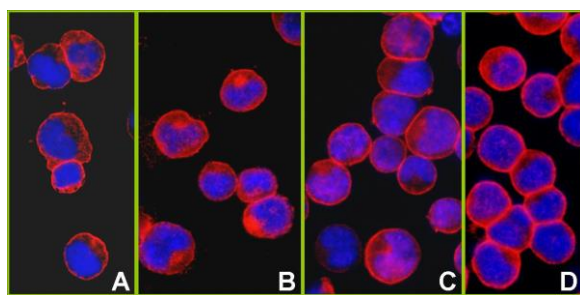
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: June 6, 2022



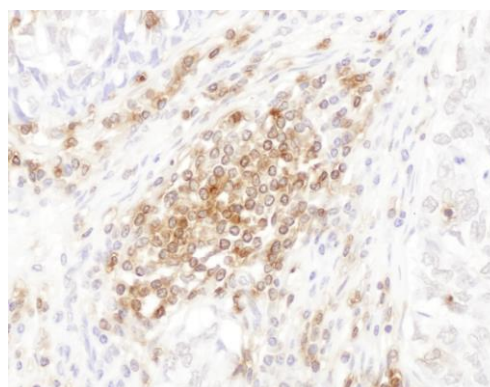
Detection of human CD45 by western blot. *Samples:* Whole cell lysate (50 µg) prepared using NETN or RIPA buffer from HeLa, HEK293T, and Jurkat cells. *Antibodies:* Affinity purified rabbit anti-CD45 antibody A304-376A (lot A304-376A-1) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human CD45 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) prepared using NETN buffer from Jurkat cells. *Antibodies:* Affinity purified rabbit anti-CD45 antibody A304-376A (lot A304-376A-1) used for IP at 6 µg per reaction. CD45 was also immunoprecipitated by rabbit anti-CD45 recombinant monoclonal antibody [BL-178-12C7] (A700-012). For blotting immunoprecipitated CD45, A700-012 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



Detection of human CD45 by immunocytochemistry. *Samples:* A: Acetone-fixed Jurkat cells, B: Formaldehyde-fixed Jurkat cells, C: Acetone-fixed Ramos cells, and D: Formaldehyde-fixed Ramos cells. *Antibody:* Affinity purified rabbit anti-CD45 (Cat. No. A304-376A Lot1) used at a dilution of 1:1,000 (1 µg/ml). *Detection:* Red-fluorescent goat anti-rabbit IgG cross-adsorbed Antibody DyLight® 594 Conjugated (Cat. No. A120-201D4) used at a dilution of 1:100.



Detection of human CD45 by immunohistochemistry. *Sample:* FFPE section of human lung cancer infiltrate. *Antibody:* Affinity purified rabbit anti-CD45 (Cat. No. A304-376A Lot1) used at a dilution of 1:5,000 (0.2 µg/ml). *Detection:* DAB