

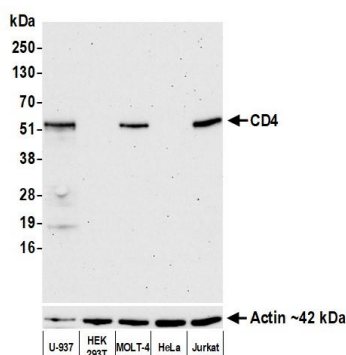
CD4 Recombinant Monoclonal Antibody [BL-155-1C11]

Rabbit Recombinant Monoclonal

Purified	Protein ID	NP_000607.1
Catalog No. A700-015-T	GeneID	920
Lot No. A700-015-T-2		

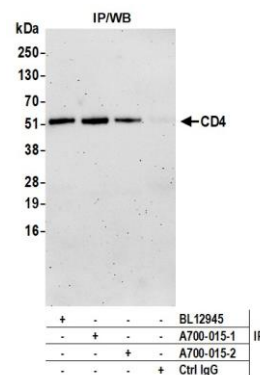
APPLICATIONS	WB, IP, IHC, F, mIF
SPECIES REACTIVITY	Human
AMOUNT	10 µl (5+ tests)
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA Free
ISOTYPE	IgG
CLONE #	BL-155-1C11
ORIGIN	USA
PRODUCTION PROCEDURES	Recombinant antibody was purified from cell culture supernatant. Immunogen was a recombinant protein representing the extracellular domain of human CD4 (residues 26–397, NP_000607.1).
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 1:1000 Immunoprecipitation 20 µl/mg lysate Immunohistochemistry 1:100 – 1:500. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections. Flow Cytometry Live or cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 x 10 ⁶ cells. Multiplex Immunofluorescence 1:250
IHC HUMAN CONTROLS	Appendix, Spleen, Tonsil
ADDITIONAL INFO	https://www.bethyl.com/product/A700-015-T Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Michael Spencer, PhD Date: September 21, 2021

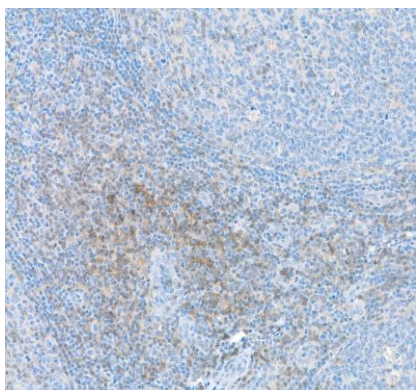


Detection of human CD4 by western blot. *Samples:* Whole cell lysate (10 µg) from U-937, HEK293T, MOLT-4, HeLa, and Jurkat cells prepared using NETN lysis buffer.

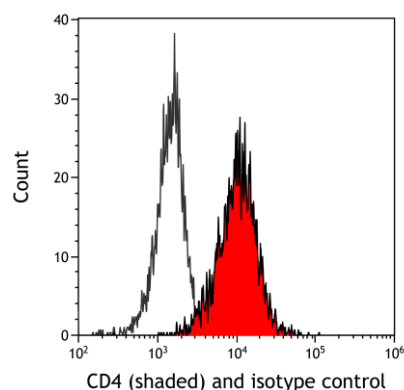
Antibody: Rabbit anti-CD4 recombinant monoclonal antibody [BL-155-1C11] (A700-015-T lot 2) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).



Detection of human CD4 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 15% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. *Antibodies:* Rabbit anti-CD4 recombinant monoclonal antibody [BL-155-1C11] (A700-015-T lot 2) used for IP at 6 µl/mg lysate. CD4 was also immunoprecipitated by a previous lot of this antibody (A700-015-T lot 1) and a second antibody against a different epitope of CD4 (BL12945). For blotting immunoprecipitated CD4, A700-015-T was used at 1:1000. Chemiluminescence with an exposure time of 3 minutes.



Detection of human CD4 in tonsil by IHC. *Antibody:* Rabbit anti-CD4 recombinant monoclonal antibody [BL-155-1C11] (A700-015-T lot 2). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* DAB.



Detection of human CD4 (shaded) in THP-1 cells by flow cytometry. *Antibody:* Rabbit anti-CD4 recombinant monoclonal [BL-155-1C11] (A700-015-T lot 1) or isotype control (unshaded). *Secondary:* DyLight® 488-conjugated goat anti-rabbit IgG (A120-101D2).