

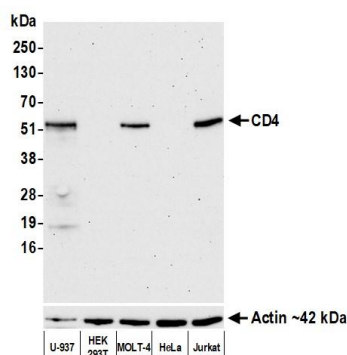
# CD4 Recombinant Monoclonal Antibody [BL-155-1C11]

Rabbit Recombinant Monoclonal

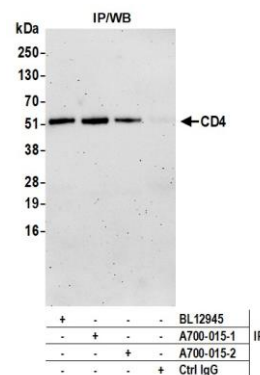
Purified	Protein ID	NP_000607.1
Catalog No. A700-015	GeneID	920
Lot No. A700-015-2		

APPLICATIONS	WB, IP, IHC, F, mIF										
SPECIES REACTIVITY	Human										
AMOUNT	100 µl (50+ 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.  <table><tbody><tr><td>Western Blot</td><td>1:1000</td></tr><tr><td>Immunoprecipitation</td><td>20 µl/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:100 – 1:500. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections.</td></tr><tr><td>Flow Cytometry</td><td>Live or cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 x 10<sup>6</sup> cells.</td></tr><tr><td>Multiplex Immunofluorescence</td><td>1:250</td></tr></tbody></table>	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 <sup>6</sup> cells.	Multiplex Immunofluorescence	1:250
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IHC HUMAN CONTROLS	Appendix, Spleen, Tonsil										
ADDITIONAL INFO	<a href="https://www.bethyl.com/product/A700-015">https://www.bethyl.com/product/A700-015</a> Use the link above to view SDS, a current list of citations, and other product specific information.										

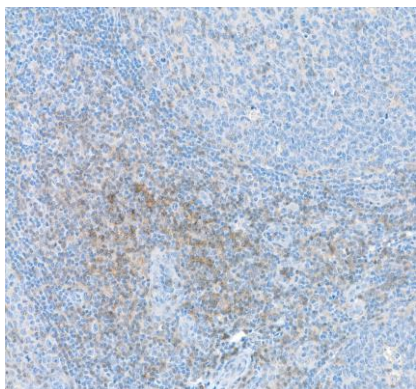
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: September 21, 2021



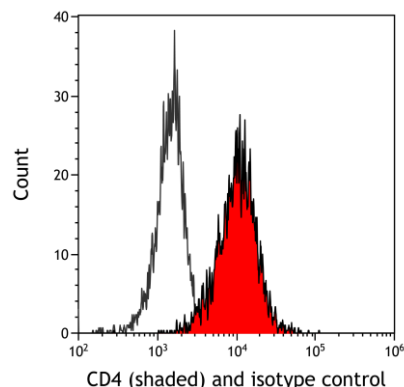
**Detection of human CD4 by western blot.** *Samples:* Whole cell lysate (10 µg) from U-937, HEK293T, MOLT-4, HeLa, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-CD4 recombinant monoclonal antibody [BL-155-1C11] (A700-015 lot 2) used at 1:1000. *Secondary:* HRP-conjugated 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 lot 2) used for IP at 6 µl/mg lysate. CD4 was also immunoprecipitated by a previous lot of this antibody (A700-015 lot 1) and a second antibody against a different epitope of CD4 (BL12945). For blotting immunoprecipitated CD4, A700-015 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 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) or isotype control (unshaded). *Secondary:* DyLight® 488-conjugated goat anti-rabbit IgG (A120-101D2).