

Product Datasheet

CD4 Rabbit Recombinant Monoclonal Antibody (orb1519966)

Catalog Number	orb1519966
Category	Antibodies
Description	CD4 Antibody
Target	CD4
Clonality	Recombinant
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Liquid
Concentration	1000 µg/ml
Buffer/Preservatives	Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, rAlbumin-Free
Purity	Recombinant antibody was purified from cell culture supernatant
Purification	Purified
Immunogen	Residues 26-397 (ECD)
UniProt ID	P01730
Tested applications	FC, IF, IHC, IP, WB

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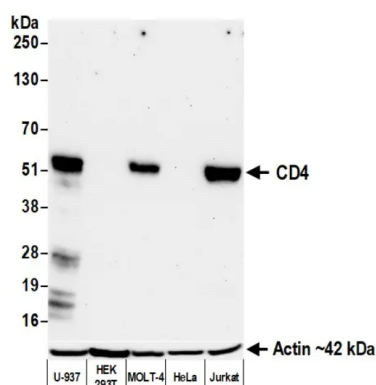
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Dilution range	Flow-Cyt Live or cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 1 µl per 1 x 10 ⁶ cells. Immunohistochemistry (IHC) 1:100 - 1:500. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections. Immunoprecipitation (IP) 6 µl/mg lysate. Multiplex Immunofluorescence (mIF) 1:250. Western Blot (WB) 1:1000
Application notes	All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight
Antibody Type	Primary Antibody
Clone Number	BL-155-1C11
Storage	2 - 8°C
Background	CD4 is a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. CD4 is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system
Note	For research use only
NCBI	NP_000607.1
Expiration Date	12 months from date of receipt.



Detection of human CD4 by western blot. Samples: Whole cell lysate (50 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] used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody

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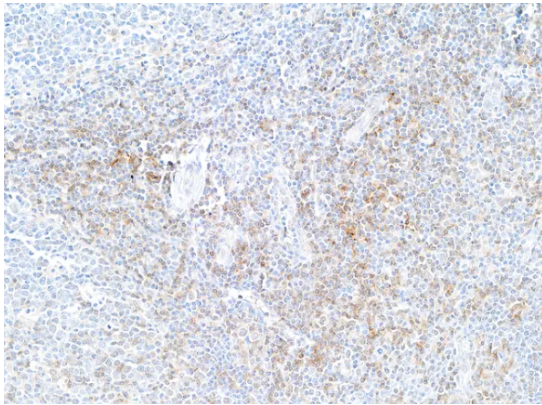
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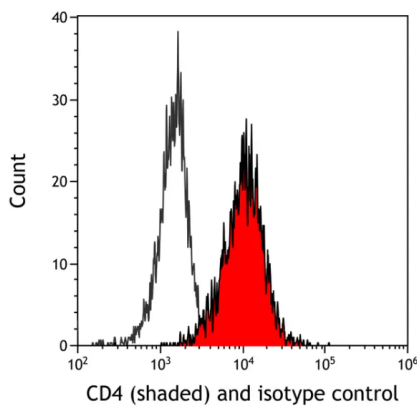
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Detection of human CD4 by immunohistochemistry. Sample: FFPE section of tonsil. Antibody: Rabbit anti-CD4 recombinant monoclonal antibody. Secondary: HRP-conjugated goat anti-rabbit IgG



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

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