Order: 0571-88177686
Fax: 0571-88177681
Support: support@biolynx.cn

Rev.: 2018/12/5

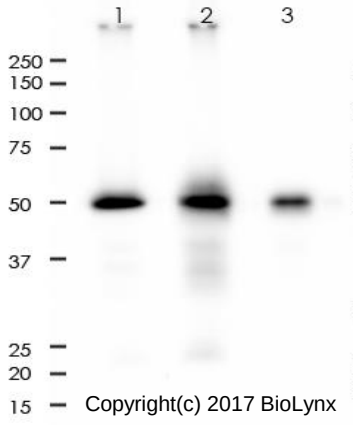
CD4
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX22300130
Clone# RR613

Predicted Molecular Wt: 51kDa
Species Cross-reactivity: Human
Species cross-reactivity determined by WB
Applications: WB IHC-P FC IP

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P01730

Background:
Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts. (Microbial infection) Acts as a receptor for human immunodeficiency virus-1. Down-regulated by HIV-1 Vpu. Acts as a receptor for Human Herpes virus 7/HHV-7.



All lanes: Anti-CD4 antibody at 1:2,000 dilution
Predicted MW: 51 kDa
Observed MW: 51 kDa

Lane 1: Molt-4
Lane 2: THP-1
Lane 3: HuT-78

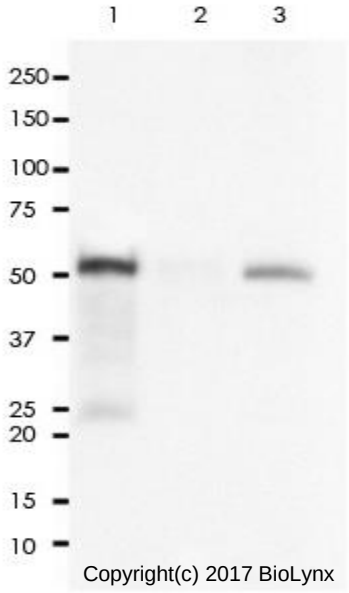
Lysate at 10 µg per lane
2nd Ab:
G&R HRP(H+L) 1:10,000

Exposure: 100s

Immunogen:
Recombinant protein corresponding to aa200-400 of human CD4 was used as an immunogen.

Storage Buffer:
PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Storage conditions:
-20°C.
Storage instructions:
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.
Recommended Dilutions:

WB:	1:2,000 - 1:5,000
IHC-P:	1:1,000 - 1:2,000
FC:	1:10 - 1:50
IP:	1:50



CD4 was immunoprecipitated from 0.4mg of Molt-4 whole cell lysate with RR613 at 1:50 dilution.
2nd Ab:
GAR HRP for IP 1:500

Lane 1: RR613 IP in Molt-4 whole cell lysate
Lane 2: Rabbit IgG instead of RR648 in Molt-4 whole cell lysate
Lane 3: Molt-4 whole cell lysate, 10 µg (input)

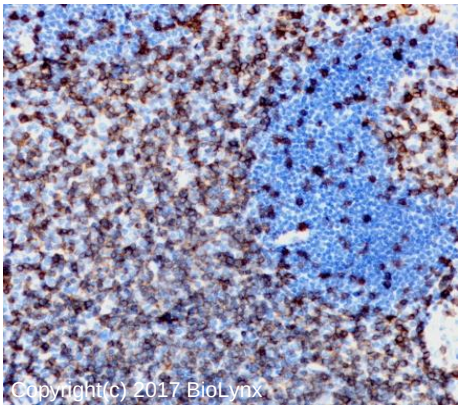
Exposure: 120s

Background References:

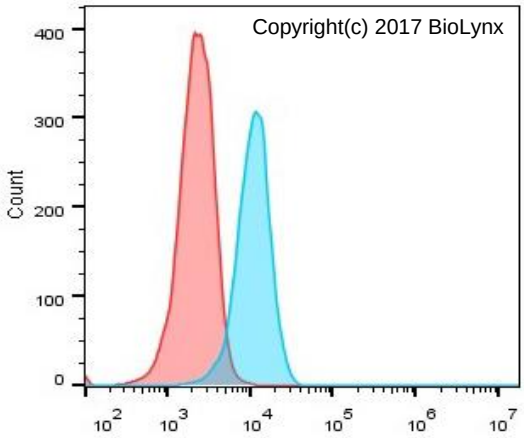
1. Schuhmann MK et al. Int J Mol Sci. 2016 Feb 26;17(3):298.

2. Liu XD et al. Cancer Immunol Res 3:1017-29 (2015)

Order: 0571-88177686
Fax: 0571-88177681
Support: support@biolynx.cn



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labelling CD4 with RR613 at 1:2,000. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.



Overlay histogram showing Jurkat cells stained with RR613 (Blue). The cells were fixed with 4% paraformaldehyde for 10 min. The cells were then incubated in the antibody (RR613, 1:50 dilution) in 1x PBS/1% BSA for 30 min at room temperature. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at room temperature. Unlabelled sample (Red) was used as a control.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.