

# CD45 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 194-390 of human CD45 (NP_002829.3)
Form	Liquid
Concentration	0.44 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 50% glycerol
Contains	0.05% ProClin 300
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2807863

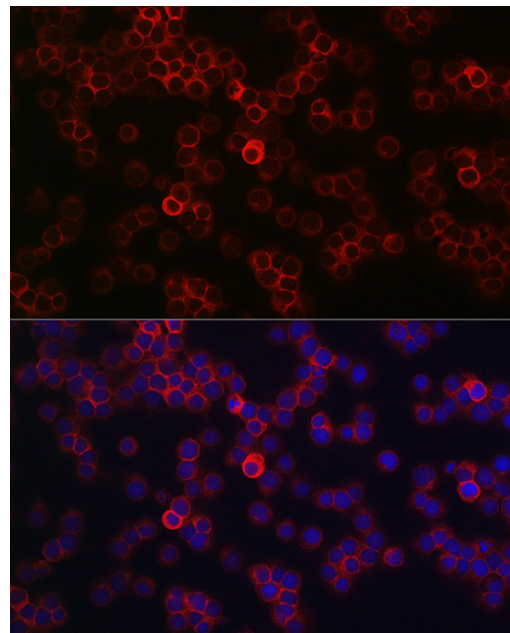
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-
Flow Cytometry (Flow)	-	1 Publication

## Product Specific Information

Positive Samples: Mouse thymus; Cellular Location: Membrane, Membrane raft, Single-pass type I membrane protein

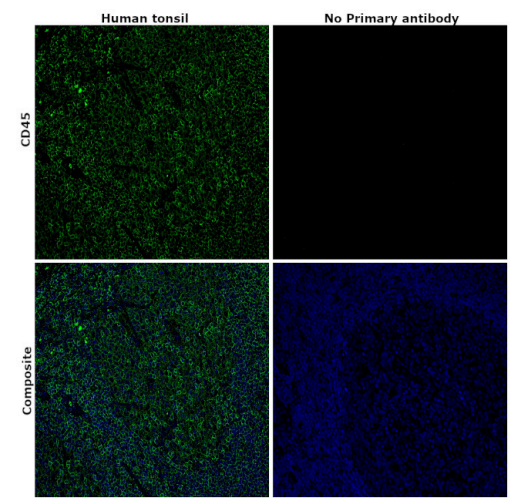
Immunogen sequence: SDAYLNASET TTLSPSGSAV ISTTTIATTP SKPTCDEKYA NITVDYLYNK ETKLF TAKLN VNENVECGNN TCTNNEVHNL TECKNASVSI SHNSCTAPDK TLILDVPPGV EKQLHDCTQ VEKADTTICL KWKNIETFTC DTQNITYRFQ CGNMIFDNKE IKLENLEPEH EYKCDSEILY NNHKFTNASK IKTDFG

Product Images For CD45 Polyclonal Antibody



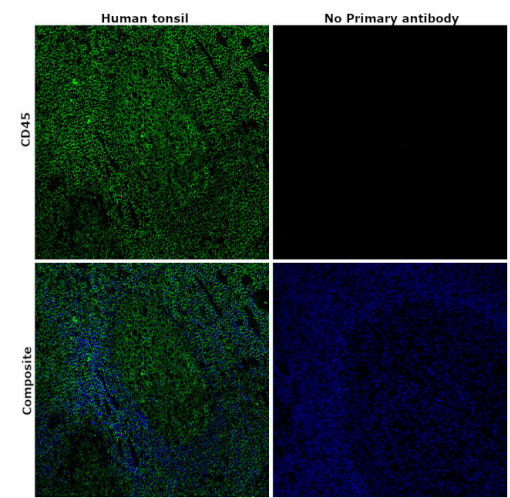
CD45 Antibody (PA5-96061) in ICC/IF

Immunofluorescence analysis of CD45 in Jurkat cells. Samples were incubated with CD45 Polyclonal antibody (Product # PA5-96061) using a dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



CD45 Antibody (PA5-96061) in IHC (P)

Immunohistochemical analysis of CD45 was performed using formalin-fixed paraffin-embedded human tonsil tissue sections. To expose the target protein, heat-induced epitope retrieval was performed on de-paraffinized sections using eBioscience™ IHC Antigen Retrieval Solution - High pH (10X) (Product # 00-4956-58) diluted to 1X solution in water in a microwave at 100 degree Celsius for 10 minutes. Following antigen retrieval, the sections were blocked with 2% normal goat serum in 1X PBS for 45 minutes at room temperature and then probed with or without CD45 Polyclonal Antibody (Product # PA5-96061) at 1:100 dilution in 0.1% normal goat serum overnight at 4 degree Celsius in a humidified chamber. Detection was performed using Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731) at a dilution of 1:2000 in 0.1% normal goat serum for 45 minutes at room temperature. ReadyProbes™ Tissue Autofluorescence Quenching Kit (Product # R37630) was used to quench autofluorescence from the tissues. Nuclei were stained with DAPI (Product # D1306) and the sections were mounted using ProLong™ Glass Antifade Mountant (Product # P36984). The images were captured on EVOS™ M7000 Imaging System (Product # AMF7000) at 20X magnification and deconvoluted externally.



CD45 Antibody (PA5-96061) in IHC (P)

Immunohistochemical analysis of CD45 was performed using formalin-fixed paraffin-embedded human tonsil tissue sections. To expose the target protein, heat-induced epitope retrieval was performed on de-paraffinized sections using eBioscience™ IHC Antigen Retrieval Solution - Low pH (10X) (Product # 00-4955-58) diluted to 1X solution in water in a microwave at 100 degree Celsius for 10 minutes. Following antigen retrieval, the sections were blocked with 2% normal goat serum in 1X PBS for 45 minutes at room temperature and then probed with or without CD45 Polyclonal Antibody (Product # PA5-96061) at 1:100 dilution in 0.1% normal goat serum overnight at 4 degree Celsius in a humidified chamber. Detection was performed using Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731) at a dilution of 1:2000 in 0.1% normal goat serum for 45 minutes at room temperature. ReadyProbes™ Tissue Autofluorescence Quenching Kit (Product # R37630) was used to quench autofluorescence from the tissues. Nuclei were stained with DAPI (Product # D1306) and the sections were mounted using ProLong™ Glass Antifade Mountant (Product # P36984). The images were captured on EVOS™ M7000 Imaging System (Product # AMF7000) at 20X magnification and deconvoluted externally.

1 Reference

Flow Cytometry (1)

iScience	Year 2023
<b>A combination therapy of bortezomib, CXCR4 inhibitor, and checkpoint inhibitor is effective in cholangiocarcinoma <i>in vivo</i>.</b>	Species Human
"PA5-96061 was used in Flow cytometry/Cell sorting to find that the inhibition of CXCR4 allowed bortezomib to sensitize CCA to anti-PD1 treatment, with a significant reduction of tumor burden and long-term overall survival."	
Authors: Li L,Zhou Y,Zhang Y,Hu H,Mao HQ,Selaru FM	

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