

CD45RA Monoclonal Antibody (4KB5)

Product Details	
Size	500 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	4KB5
Conjugate	Unconjugated
Immunogen	Hairy cell leukemia cells
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10985980

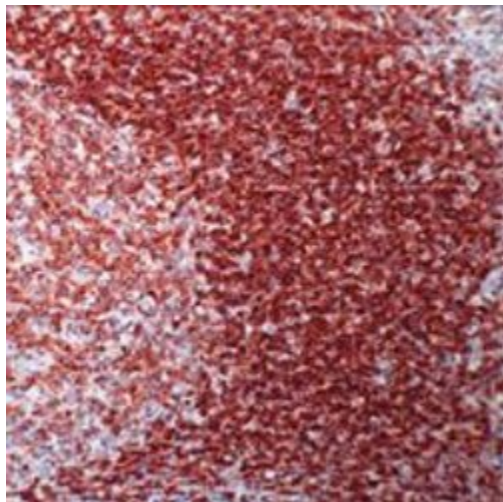
Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	-

Product Specific Information

MA5-12490 targets CD45RA in IHC (P) applications and shows reactivity with Human samples.

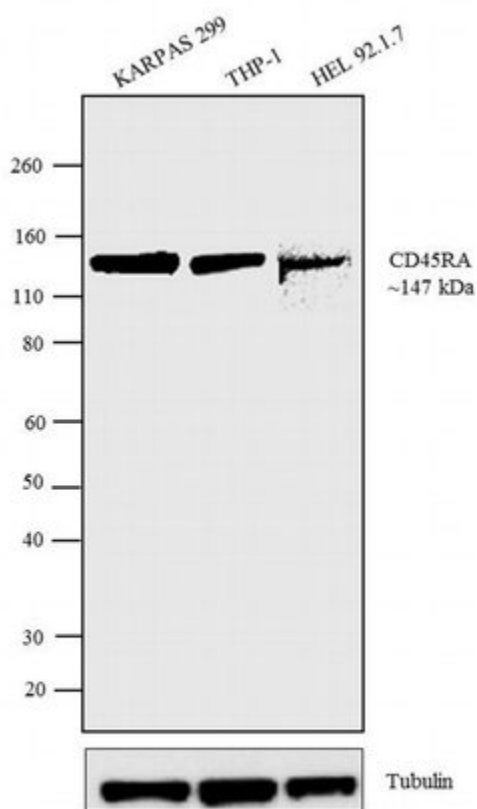
The MA5-12490 immunogen is hairy cell leukemia cells.

Product Images For CD45RA Monoclonal Antibody (4KB5)



CD45RA Antibody (MA5-12490) in IHC

Formalin-fixed, paraffin-embedded human tonsil stained with CD45RA antibody using peroxidase-conjugate and AEC chromogen. Note cell membrane staining of B lymphocytes.



CD45RA Antibody (MA5-12490) in WB

Western blot analysis of CD45RA was performed using membrane enriched extracts (30 µg lysate) of KARPAS 299 (Lane 1), THP-1 (Lane 2) and HEL 92.1.7 (Lane 3). The blots were probed with Anti-CD45RA Mouse Monoclonal Antibody (Product # MA5-12490, 2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.4 µg/mL, 1:2500 dilution). A 147 kDa band corresponding to CD45 was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10 % Bis-Tris gel (Product # NP0302BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with Pierce™ Power Blotter System (Product # 22834). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

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