

CD45RO Antibody [clone 190-2F2.5] (V2416)

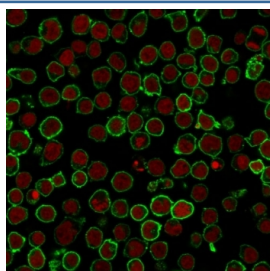
Catalog No.	Formulation	Size
V2416-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2416-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2416SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug



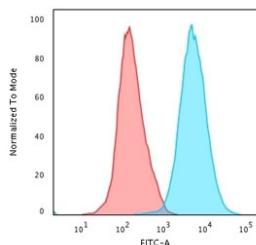
Citations (3)

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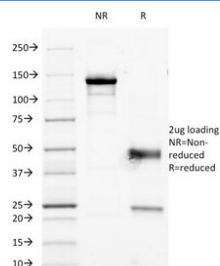
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	190-2F2.5
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P08575
Localization	Cell surface
Applications	Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml
Limitations	This CD45RO antibody is available for research use only.



Immunofluorescent staining of PFA-fixed human Jurkat cells with CD45RO antibody (clone 190-2F2.5, green) and Reddot nuclear stain (red).



Flow cytometry staining of PFA-fixed human Jukat cells with CD45RO antibody (clone 190-2F2.5); Red=isotype control, Blue= CD45RO antibody.



SDS-PAGE Analysis of Purified, BSA-Free CD45RO Antibody (clone 190-2F2.5). Confirmation of Integrity and Purity of the Antibody.

Description

Recognizes a 180-185kDa protein, identified as isoform of leukocyte common antigen (CD45RO). This antibody reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK cells or B-cell lymphomas.

Application Notes

Due to variation in protocol and secondary antibody used, the CD45RO antibody may need to be titrated for optimal performance.

Immunogen

Lentillectin purified glycoproteins obtained from HuPBL and from a CLL (B cell) were used as immunogen for this CD45RO antibody.

Storage

The CD45RO antibody (with azide) can be stored at 2-8°C. The azide-free format should be aliquoted and stored at -20°C or colder.

References (1)