

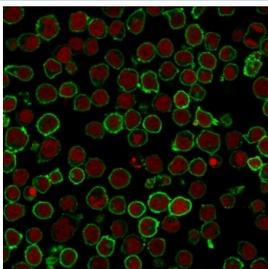
## CD45RO Antibody [clone 190-2F2.5] (V2416)

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

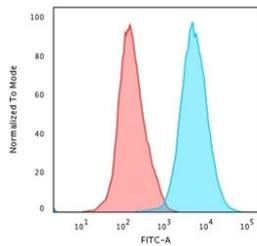
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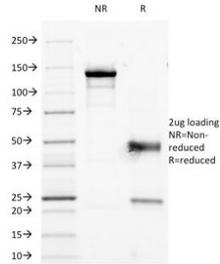
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	190-2F2.5
<b>Purity</b>	Protein G affinity chromatography
<b>Buffer</b>	1X PBS, pH 7.4
<b>UniProt</b>	P08575
<b>Localization</b>	Cell surface
<b>Applications</b>	Flow Cytometry : 1-2ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml
<b>Limitations</b>	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 Jurkat 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 titered 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 2-8oC. The azide-free format should be aliquoted and stored at -20oC or colder.

## References (1)