

36-3063: Anti-CD45RO (T-Cell Marker) Monoclonal Antibody(Clone: 190-2F2.5)

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| Clonality : | Monoclonal |
| Clone Name : | 190-2F2.5 |
| Application : | FACS,IF |
| Reactivity : | Human |
| Gene : | PTPRC |
| Gene ID : | 5788 |
| Uniprot ID : | P08575 |
| Alternative Name : | T200, GP180, LCA, Leukocyte Common Antigen, LY5, Receptor-type tyrosine-protein phosphatase C, T200 glycoprotein |
| Isotype : | Mouse IgG2a, kappa |
| Immunogen Information : | Lentillectin Purified glyco proteins obtained from HuPBL and from a CLL (B cell). |

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.

Product Info

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| Amount : | 20 µg / 100 µg |
| Content : | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage condition : | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

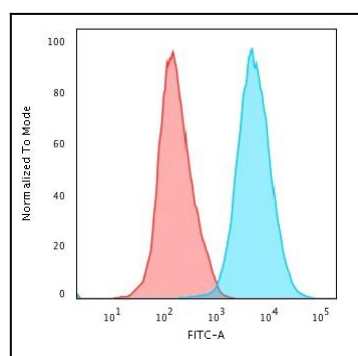


Fig. 1: Flow Cytometric Analysis of PFA-fixed Jurkat cells using CD45 Mouse Monoclonal Antibody (190-2F2.5) followed by Goat anti- Mouse- IgG-CF488 (Blue); Isotype Control (Red).

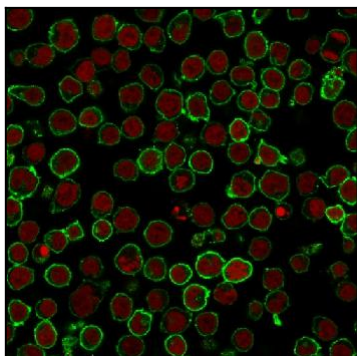


Fig. 2: Immunofluorescence Analysis of PFA-fixed Jurkat cells labeling CD45 with CD45 Mouse Monoclonal Antibody (190-2F2.5) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Redot.

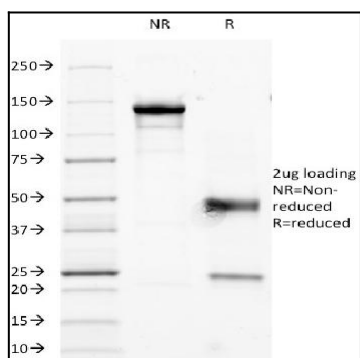


Fig. 3: SDS-PAGE Analysis Purified CD45 Mouse Monoclonal Antibody (190-2F2.5). Confirmation of Integrity and Purity of Antibody.