

**DATA SHEET****Brilliant Violet 785 anti-human CD45RA Antibody****Code Number#21-304140****Pack Size: 100 tests****Clone:** HI100**Isotype:** Mouse IgG2b,  $\kappa$ 

**Description:** CD45RA is a 205-220 kD single chain type I glycoprotein. It is an exon 4 splice variant of the tyrosine phosphatase CD45. The CD45RA isoform is expressed on resting/naïve T cells, medullary thymocytes, B cells and monocytes. CD45RA enhances both T cell receptor and B cell receptor signaling. CD45 non-covalently associates with lymphocyte phosphatase-associated phosphoprotein (LPAP) on T and B lymphocytes. CD45 has been reported to be associated with several other cell surface antigens including CD1, CD2, CD3, and CD4. CD45 has also been reported to bind galectin-1. CD45 isoform expression can change in response to cytokines.

**Reactivity:** Human, Cross-Reactivity: Chimpanzee

**Antibody Type:** Monoclonal

**Host Species:** Mouse

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 785 under optimal conditions.

**Storage & Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

**Application:** FC - Quality tested

**For in-vitro diagnostic use. Not for human or animal consumption.**