

CD45 (DM193) RABBIT MAB

Cat.#: 28536

Product Name: Anti-CD45(DM193) Rabbit Monoclonal Antibody

Synonyms: B220; CD45; CD45R; GPI80; L-CA; LCA; LY5; T200

Description: Anti-CD45 antibody(DM193) Rabbit Monoclonal Antibody

Background: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth; differentiation; mitosis; and oncogenic transformation. This PTP contains an extracellular domain; a single transmembrane segment and two tandem intracytoplasmic catalytic domains; and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes; or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases; and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene; which encode distinct isoforms; have been reported.

Applications: ELISA; Flow Cyt

Recommended Dilutions: ELISA 1:5000-10000; Flow Cyt 1:100

Host Species: Rabbit

Isotype: Rabbit IgG

Purification: Purified from cell culture supernatant by affinity chromatography

Species Reactivity: Human CD45

Constituents: Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

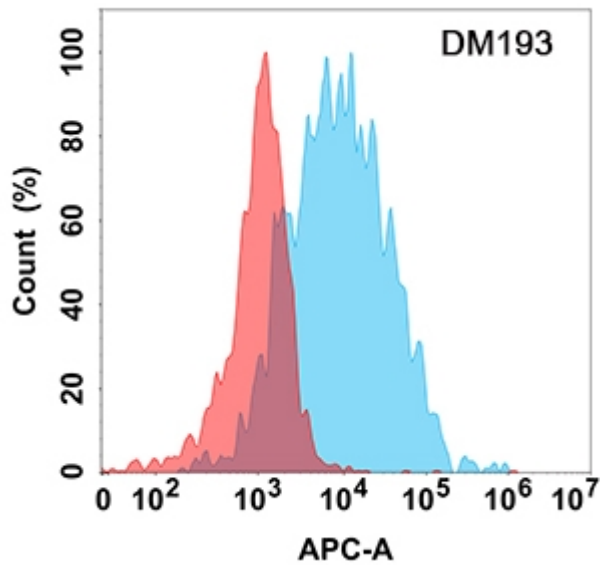


Figure 1. Flow cytometry analysis with Anti-CD45 (DM193) on Expi293 cells transfected with human CD45 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).