Antibodies

Mouse monoclonal IgG1 antibody against human, cynomolgus CD25, PE-conjugated

Catalog #60153PE

50 Tests 20 μL/test

Product Description

The 2A3 antibody reacts with human CD25, a 55 kDa type I integral transmembrane glycoprotein also known as low-affinity interleukin 2 receptor alpha chain (IL-2Ra) or Tac antigen. CD25 is present on activated T and B cells, monocytes, macrophages, and regulatory T cells. CD25 has a role in T lymphocyte activation and can be used in the identification of T cell subsets in viral infections like HIV and HTLV. CD25 associates with IL-2 receptor β (CD122) and common γ (CD132) chains to form a high affinity IL-2R complex. The 2A3 antibody binds to an epitope on p55 at or near the IL-2 binding site and prevents high-affinity IL-2 binding to T lymphocytes. Daclizumab, a therapeutic humanised monoclonal antibody, blocks the binding of 2A3 antibody.

Target Antigen Name: CD25

Alternative Names: IL-R2α, Interleukin 2 receptor alpha, Low affinity IL-2R, p55, Tac

Gene ID: 100

Species Reactivity: Human, Cynomolgus, Common marmoset, Pigtailed macaque, Squirrel monkey

Host Species: Mouse (BALB/c)

Clonality: Monoclonal

Clone: 2A3

Isotype: IgG1, kappa

Immunogen: Human phytohemagglutinin-activated T cells

Conjugate: PE (Phycoerythrin)

Applications

Verified: FC

Reported: FACS, FC

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation: Phosphate-buffered saline containing 0.1% sodium azide and gelatin

Purification: The antibody was purified by column chromatography.

Stability and Storage: Product stable at 2 - 8°C when stored undiluted. Do not freeze. Protect product from prolonged exposure to light. For product expiry date, please contact techsupport@stemcell.com.

Directions for Use: For flow cytometry the suggested use of this antibody is 20 μL per 1 x 10^6 cells in 100 μL. It is recommended that the antibody be titrated for optimal performance for each application.
Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References