Mouse T1/ST2 Monoclonal Antibody
rat anti-mouse T1/ST2 biotinylated mAb

Catalog Number 101001B

CLONE DJ8
Ig SUBCLASS IgG1 (light chain not isotyped)
PRESENTATION The antibody is supplied in PBS, with 0.1% sodium azide as preservative and purified over protein G-sepharose. The characteristics of each lot are tested by FACS analysis with bone marrow derived mast cells.
CONCENTRATION See vial for actual concentration.
SPECIFICITY This clone recognizes the membrane anchored murine T1M protein on the surface of T helper 2 cells and mast cells. T1M appears on fetal blood derived mast cell progenitors before they express the FcεRI, on IL-3-dependent bone marrow derived mast cells and on mature peritoneal mast cells. The antibody detects T1S protein consisting only of the extracellular portion of the protein, which is secreted from growth factor and proinflammatory cytokine-stimulated murine fibroblasts.
APPLICATION This antibody allows the identification and purification of murine T helper 2 cells and all forms of murine mast cells.
SUGGESTED USAGE Flow cytometry, immunoprecipitation
STORAGE Store at 2 - 8 ºC.
EXPIRY DATE See label on vial.
WARNING This reagent contains 0.1% sodium azide as preservative. Due to potential hazards arising from the build up of this material in pipes, spent reagent should be disposed of with liberal volumes of water.
IMMUNIZING ANTIGEN Eukariotically expressed fusion protein of mouse T1 ectodomain and human immunoglobulin Fc domain.
2. Moritz et al., 1998. The interleukin-1 receptor-related T1 antigen is expressed on immature and mature mast cells and on fetal blood mast cell progenitors J. Immunol. 161 (9) 4866-4874
3. Max Löhnring, Arne Stroehmann et al., 1998. T1/ST2 is preferentially expressed on murine Th2 cells, independent of interleukin 4, interleukin 5 and interleukin 10, and important for Th2 effector function Immunology 95 (6): 6930-6935

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