

T1/ST2 (IL-33 R) Monoclonal Antibody | anti-T1/ST2 antibody

Monoclonal Antibody to mouse T1/ST2 purified, azide-free

CATALOG #
AAA63034

APPLICATIONS
Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

T1/ST2 (IL-33 R); Monoclonal Antibody; Monoclonal Antibody to mouse T1/ST2 purified; azide-free; T1/ST2 (IL-33 R) Monoclonal Antibody; anti-T1/ST2 antibody

PRODUCT SPECIFICATIONS

Clonality	Monoclonal
Isotype	IgG1 (light chain not isotyped)
Clone Number	DJ8
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 Fcε RI, 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.
Form/Format	The antibody is supplied in PBS, is azide free and purified over protein G-sepharose. The characteristics of each lot are tested by FACS analysis with bone marrow derived mast cells.
Applicable Applications for anti-T1/ST2 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	Eukariotically expressed fusion protein of mouse T1 ectodomain and human immunoglobulin Fc domain.
Data Specifications	Rat anti-Mouse T1/ST2 purified mAb, azide-free
Warning	This reagent contains no sodium azide. Due to potential hazards arising from the build up of this material in pipes, spend reagents should be disposed of with liberal volumes of water.
Preparation and Storage	Store at 2-8°C for short term use. Aliquot and store at -20° for extended storage. Avoid repeated freeze-thaw cycles

ADDITIONAL INFORMATION

Related Product Information for anti-T1/ST2 antibody	Mouse T1/ST2 (IL-33 R) monoclonal antibody (clone DJ8) for the identification and purification of murine T helper 2 (Th2) cells and all forms of murine mast cells. Overview: T1/ST2 (also known as IL-1 R4 or IL-33Ra) is a transmembrane glycoprotein expressed on mast cells and Th2 cells. It is a selective marker for both murine and human Th2 lymphocytes and plays a role in regulating inflammatory responses. IL-33 is a recently identified member of the IL-1 family of cytokines and is involved in Th2 mediated immune responses. IL-33 mediates its biological effects via T1/ST2 binding. The roles of IL-33 and T1/ST2 (IL-33Ra) have been investigated in many immune responses such as allergy, asthma, rheumatoid arthritis and osteoarthritis.
Product Categories/Family for anti-T1/ST2 antibody	Antibodies to T Cell

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.