

Datasheet for ABIN1169000

Recombinant anti-TNFSF13 antibody (AA 98-232)[Go to Product page](#)**1** Publication

Overview

Quantity:	100 µg
Target:	TNFSF13
Binding Specificity:	AA 98-232
Reactivity:	Mouse
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This TNFSF13 antibody is un-conjugated
Application:	ELISA, Immunoprecipitation (IP), Functional Studies (Func)

Product Details

Immunogen:	Mouse APRIL (aa 98-232).
Clone:	Apy-1-1
Isotype:	IgG2b
Specificity:	Recognizes mouse APRIL.
Cross-Reactivity:	Mouse (Murine)
Cross-Reactivity (Details):	Does not recognize mouse BAFF.
Purification:	Purified from HEK 293 cell culture supernatant.
Purity:	>95 % (SDS-PAGE)

Product Details

Endotoxin Level: <0.01EU/μg purified protein (LAL-test, Lonza)

Target Details

Target: TNFSF13

Alternative Name: [APRIL \(TNFSF13 Products\)](#)

Background: APRIL is a cytokine that belongs to the TNF superfamily and binds to TACI and BCMA. It is implicated in the regulation of tumor cell growth and is involved in monocyte/macrophage-mediated immunological processes. Anti-APRIL (mouse) Monoclonal Antibody (recombinant) (Blocking) (APRY-1-1) is an antibody developed by antibody phage display technology using a human naive antibody gene library. These libraries consist of scFv (single chain fragment variable) composed of VH (variable domain of the human immunoglobulin heavy chain) and VL (variable domain of the human immunoglobulin light chain) connected by a polypeptide linker. The antibody fragments are displayed on the surface of filamentous bacteriophage (M13). This scFv was selected by affinity selection on antigen in a process termed panning. Multiple rounds of panning are performed to enrich for antigen-specific scFv-phage. Monoclonal antibodies are subsequently identified by screening after each round of selection. The selected monoclonal scFv is cloned into an appropriate vector containing a Fc portion of interest and then produced in mammalian cells to generate an IgG like scFv-Fc fusion protein.

UniProt: [Q9D777](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: APRIL (mouse) monoclonal antibody (recombinant) (blocking) (APRY-1-1) is composed of human variable regions (VH and VL) (lambda-chain) of immunoglobulin fused to the mouse IgG2b Fc domain.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Handling

Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 month after receipt when stored at +4°C. Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months

Publications

Product cited in:	Matthes, Dunand-Sauthier, Santiago-Raber, Krause, Donze, Passweg, McKee, Huard: "Production of the plasma-cell survival factor a proliferation-inducing ligand (APRIL) peaks in myeloid precursor cells from human bone marrow." in: Blood , Vol. 118, Issue 7, pp. 1838-44, (2011) (PubMed).
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