

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TACI/TNFRSF13B in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human TACI is observed and less than 1% cross-reactivity with recombinant mouse BCMA/TNFRSF17 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse TACI/TNFRSF13B Phe5-Thr129 Accession # Q9ET35
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Blockade of Receptor-ligand Interaction	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

TACI, transmembrane activator and CAML-interactor, is a member of the TNF receptor superfamily and has been designated TNFRSF13B. TACI is a type III membrane protein with an extracellular N-terminus in the absence of a cleaved signal sequence. The extracellular region of TACI contains two cysteine-rich domains. Within the TNFRSF, it shares the highest homology with B cell maturation factor (BCMA). TACI and BCMA have both been shown to bind APRIL and BAFF, members of the TNF ligand superfamily. TACI is expressed on the cell surface of B cells and activated, but not resting, T cells. Analogous to BCMA, data suggests that TACI may play an important role in B cell development, function and regulation. Mouse TACI is a 249 amino acid (aa) protein consisting of a 129 aa extracellular domain, a 20 aa transmembrane domain, and a 100 aa intracellular domain. Mouse and human TACI share 54% aa identity.

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