



Anti-Human TACI

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P94G
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of goats pre-immunized with highly pure (>98%) recombinant human TACI. Anti-human TACI specific antibody was purified by affinity chromatography employing immobilized human TACI matrix.

Target Background

Synonyms (Target):	TNFRSF13B; CVID; TACI; CD267; CVID2; TNFRSF14B
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TACI, transmembrane activator and CAML-interactor, is a member of the TNF receptor superfamily (TNFRSF). Within the TNFRSF, it shares the highest homology with BCMA. TACI and BCMA both bind APRIL and BLYS/BAFF, members of the TNF superfamily. TACI is expressed on the cell surface of B cells and activated, but not resting, T cells. Human and mouse TACI share 54% amino acid sequence identity.

Database References Target

Protein RefSeq:	NP_036584.1
Uniprot ID:	O14836
mRNA RefSeq:	NM_012452.2

Product Specifications

Species reactivity	Human
Clone/Ab feature	Goat IgG
Cross reactivity	Human
Host	Goat
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human TACI
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect human TACI by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human TACI is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA:

Indirect: To detect human TACI by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant human TACI.

Sandwich: To detect human TACI by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with an appropriate secondary conjugated antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant human TACI.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!