

Human TGF-beta3 CLIA Kit | TGF-beta3 clia kit

TGF-beta3 (Human) LumiAb ELISA Kit

CATALOG #
AAA318597

REACTIVITY
Human

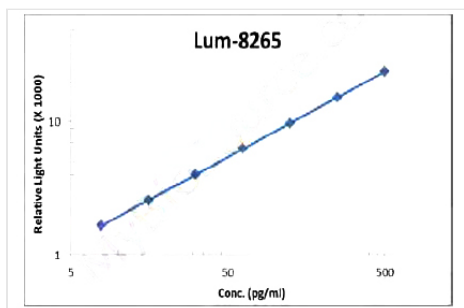
PRODUCT SYNONYMS

TGF-beta3; TGF-beta3 (Human) LumiAb ELISA Kit; Human TGF-beta3; Transforming growth factor beta-3; TGF-beta3 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human TACI ELISA is capable of recognizing both recombinant and naturally produced Human TACI proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	412
Assay Type	Quantitative Sandwich
Sensitivity	15 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGF-beta3 clia kit	Principle of the Assay: The LumiAb Human TACI Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human TACI concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Human TACI while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a sensitive luminescent reaction to ensue upon substrate addition. When the Peroxide Enhancer solution is added, the reaction catalyzed by peroxidase yields light that is representative of the antigen concentration. After a brief incubation, the microplate can be read with a luminometer, allowing for generation of a standard curve and subsequent determination of protein concentration!!Background/Introduction: Human TACI or Transmembrane Activator and CAML Interactor, also known as TNFRSF13B or Tumor Necrosis Factor Receptor Superfamily Member 13B, is a 293 amino acid cytokine encoded by the TNFRSF13B gene located at locus 17p11.2 (within the Smith-Magenis syndrome region) on chromosome 17. TACI is known to be a lymphocyte-specific member of the tumor necrosis factor superfamily that interacts with calcium-modulator and cyclophilin ligand (CAML). This protein induces calcineurin-dependent activation of the transcription factors NFAT, AP1, and NF-kappaB and essentially plays a crucial role in B- and T-cell function as well as humoral immunity by interacting with a TNF ligand. TACI is fundamentally a receptor for TNFSF13/APRIL and TNFSF13B/TALL1/BAFF/BLYS that binds both ligands with similar high affinity. It has been determined that TACI is highly expressed in spleen, thymus, small intestine, and peripheral blood leukocytes. Moreover, the protein has much higher expression in resting B-cells and activated T-cells than in resting T-cells. From an epidemiological standpoint, defects in TACI are the cause of immunodeficiency common variable type 2 (CVID2). CVID2 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low. Defects in TACI are also a cause of immunoglobulin A deficiency 2 (IGAD2)-the most common form of primary immunodeficiency.
Product Categories/Family for TGF-beta3 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507465
NCBI GeneID	7043
NCBI Accession #	NP_003230.1
NCBI GenBank Nucleotide #	NM_003239.4
UniProt Accession #	P10600
NCBI Official Full Name	transforming growth factor beta-3 proprotein isoform 1 preproprotein
NCBI Official Synonym Full Names	transforming growth factor beta 3
NCBI Official Symbol	TGFB3
NCBI Official Synonym Symbols	ARVD; LDS5; RNHF; ARVD1; TGF-beta3
NCBI Protein Information	transforming growth factor beta-3 proprotein
UniProt Protein Name	Transforming growth factor beta-3
UniProt Gene Name	TGFB3
UniProt Synonym Gene Names	TGF-beta-3; LAP
UniProt Entry Name	TGFB3_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/tgf-beta3/318597>