

Human TNF alpha Converting Enzyme (TACE) ELISA Kit | TACE elisa kit

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CATALOG #
AAA331101

REACTIVITY
Human

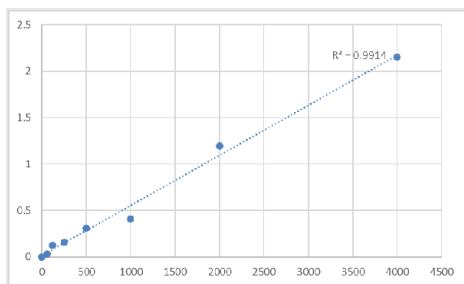
PRODUCT SYNONYMS

TNF alpha Converting Enzyme (TACE); Human TNF alpha Converting Enzyme (TACE) ELISA Kit; ADAM17; ADAM18; CD156B; CSVP; MGC71942; TACE; ADAM metallopeptidase domain 18; TNF-alpha converting enzyme; a disintegrin and metalloprotease domain 17; snake venom-like protease; tumor necrosis factor; alpha; TACE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human TNF alpha converting enzyme (TACE) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADAM17. No significant cross-reactivity or interference between Human ADAM17 and analogues was observed.
Sequence Length	824
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human TNF alpha converting enzyme (TACE) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TACE elisa kit	Description: This Human TNF alpha converting enzyme (TACE) ELISA Kit employs a two-site sandwich ELISA to quantitate ADAM17 in samples. An antibody specific for ADAM17 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADAM17 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAM17 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADAM17 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TNF alpha converting enzyme (TACE) encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biologic processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The encoded preproprotein is proteolytically processed to generate the mature protease. The encoded protease functions in the ectodomain shedding of tumor necrosis factor-alpha, in which soluble tumor necrosis factor-alpha is released from the membrane-bound precursor. This protease also functions in the processing of numerous other substrates, including cell adhesion proteins, cytokine and growth factor receptors and epidermal growth factor (EGF) receptor ligands. The encoded protein also plays a prominent role in the activation of the Notch signaling pathway. Elevated expression of this gene has been observed in specific cell types derived from psoriasis, rheumatoid arthritis, multiple sclerosis and Crohn's disease patients, suggesting that the encoded protein may play a role in autoimmune disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73747889
NCBI GeneID	6868
NCBI Accession #	NP_003174.3
NCBI GenBank Nucleotide #	NP_003174.3
UniProt Accession #	P78536
NCBI Official Full Name	disintegrin and metalloproteinase domain-containing protein 17 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 17
NCBI Official Symbol	ADAM17
NCBI Official Synonym Symbols	CSVP; TACE; NISBD; ADAM18; CD156B; NISBD1
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 17
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 17
UniProt Gene Name	ADAM17
UniProt Synonym Gene Names	CSVP; TACE; ADAM 17
UniProt Entry Name	ADA17_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.