Human TACE/ADAM17 Antibody Pair Set

Catalog No. E-KAB-0474 **Applications** ELISA

Synonyms ADAM metallopeptidase domain 17;ADAM17;TACE;tumor necrosis factor-α-converting enzyme;ADAM18;CD156B;CSVP;NISBD;

Kit components & Storage

Title	Specifications	Storage
Human TACE/ADAM17 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human TACE/ADAM17 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

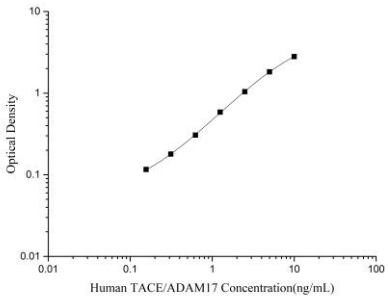
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0474)	
		Human TACE/ADAM17 Capture Antibody	Human TACE/ADAM17 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human TACE/ADAM17 protien	Recombinant Human TACE/ADAM17 protien
	Swissprot	P78536	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human TACE/ADAM17 in ELISAs.	

Applications

Human TACE/ADAM17 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human TACE/ADAM17 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human TACE/ADAM17 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene 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.