



Human soluble tumor necrosis factor-like weak inducer of apoptosis (sTWEAK)ELISA Kit

Product Code	CSB-E16492h
Abbreviation	TNFSF12
Protein Biological Process 1	Angiogenesis
Uniprot No.	O43508
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	TNFSF12
Tag Info	quantitative
Protein Description	Sandwich

Description

The product CSB-E16492h is a sandwich ELISA kit developed to measure levels of human soluble tumor necrosis factor-like weak inducer of apoptosis (sTWEAK) in multiple samples, including serum, plasma, or tissue homogenates. The enzyme-substrate chromogenic reaction is also used to amplify the signal and quantify the levels of the analyte through the intensity of the colored product. The color intensity positively correlates with the amount of sTWEAK bound in the initial step.

TWEAK, encoded by the gene TNFSF12, signals through TNFRSF12A, commonly known as Fn14. The TWEAK-Fn14 interaction regulates cellular activities including proliferation, migration, differentiation, apoptosis, angiogenesis, tissue remodeling, and inflammation, as well as induction of inflammatory cytokines. During pathological vascular wall remodeling, TWEAK/Fn14 axis takes part in modulating endothelial dysfunction, inflammation, angiogenesis, and thrombosis. TWEAK has been reported to be linked to autoimmune diseases, cancers, stroke, and kidney-related disorders.



Product Precision

Linearity

Recovery

Typical

Msds

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