Human T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT) ELISA Kit | TIGIT elisa kit

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CATALOG #	REACTIVITY
AAA187856	**Human**

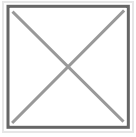
PRODUCT SYNONYMS

T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT); Human T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT) ELISA Kit; VSIG9; VSTM3; V-Set And Immunoglobulin Domain Containing 9; V-Set And Transmembrane Domain Containing 3; TIGIT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT). No significant cross-reactivity or interference between T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT) and analogues was observed.
Sequence Length	244
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIGIT elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of T-Cell Immunoreceptor With Ig And ITIM Domains Protein (TIGIT) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	256600228
NCBI GeneID	201633
NCBI Accession #	NP_776160.2
NCBI GenBank Nucleotide #	NM_173799.3
UniProt Accession #	Q495A1; Q495A3; Q5JPD8; Q6MZS2; Q8N877
Molecular Weight	18,432 Da
NCBI Official Full Name	T-cell immunoreceptor with Ig and ITIM domains
NCBI Official Synonym Full Names	T cell immunoreceptor with Ig and ITIM domains
NCBI Official Symbol	TIGIT
NCBI Official Synonym Symbols	VSIG9; VSTM3; WUCAM
NCBI Protein Information	T-cell immunoreceptor with Ig and ITIM domains
UniProt Protein Name	T-cell immunoreceptor with Ig and ITIM domains
UniProt Gene Name	**TIGIT**
UniProt Synonym Gene Names	VSIG9; VSTM3

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.

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Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/t-cell-immunoreceptor-with-ig-and-itim-domains-protein-tigit/187856