

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

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CATALOG #
AAA331975

REACTIVITY
Human

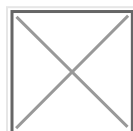
PRODUCT SYNONYMS

T Cell Immunoreceptor With Ig And ITIM Domains (TIGIT); Human T Cell Immunoreceptor With Ig And ITIM Domains (TIGIT) ELISA Kit; DKFZp667A205; FLJ39873; VSIG9; VSTM3; WUCAM; V-set and immunoglobulin domain containing 9; V-set and transmembrane domain containing 3; Washington University cell adhesion molecule; TIGIT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human T cell immunoreceptor with Ig and ITIM domains (TIGIT) ELISA Kit has high sensitivity and excellent specificity for detection of Human TIGIT. No significant cross-reactivity or interference between Human TIGIT and analogues was observed.
Sequence Length	244
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 T cell immunoreceptor with Ig and ITIM domains (TIGIT) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TIGIT elisa kit	Description: This Human T cell immunoreceptor with Ig and ITIM domains (TIGIT) ELISA Kit employs a two-site sandwich ELISA to quantitate TIGIT in samples. An antibody specific for TIGIT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TIGIT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TIGIT 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 TIGIT bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TIGIT encodes a member of the PVR (poliovirus receptor) family of immunoglobulin proteins. The product of this gene is expressed on several classes of T cells including follicular B helper T cells (TFH). The protein has been shown to bind PVR with high affinity; this binding is thought to assist interactions between TFH and dendritic cells to regulate T cell dependent B cell responses. The predicted 244-amino acid TIGIT protein has a single Ig domain, followed by a type I transmembrane domain and a single intracellular immunoreceptor tyrosine-based inhibitory motif. It shares 88%, 67%, and 58% amino acid identity with its rhesus, dog, and mouse homologs, respectively.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121943253
NCBI GeneID	201633
UniProt Accession #	Q495A1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/t-cell-immunoreceptor-with-ig-and-itim-domains-tigit/331975>