

Human V-Set Domain-Containing T-Cell Activation Inhibitor 1 (VTCN1) ELISA Kit | VTCN1 elisa kit

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CATALOG # AAA330271	REACTIVITY Human
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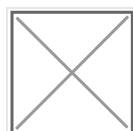
PRODUCT SYNONYMS

V-Set Domain-Containing T-Cell Activation Inhibitor 1 (VTCN1); Human V-Set Domain-Containing T-Cell Activation Inhibitor 1 (VTCN1) ELISA Kit; VTCN1; B7-H4; B7H4; B7S1; B7X; B7h.5; FLJ22418; PRO1291; RP11-229A19.4; VCTN1; T cell costimulatory molecule B7x; immune costimulatory protein B7-H4; VTCN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human V-set domain-containing T-cell activation inhibitor 1 (VTCN1) ELISA Kit has high sensitivity and excellent specificity for detection of Human VTCN1. No significant cross-reactivity or interference between Human VTCN1 and analogues was observed.
Sequence Length	166
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 V-set domain-containing T-cell activation inhibitor 1 (VTCN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VTCN1 elisa kit	Description: This Human V-set domain-containing T-cell activation inhibitor 1 (VTCN1) ELISA Kit employs a two-site sandwich ELISA to quantitate VTCN1 in samples. An antibody specific for VTCN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VTCN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VTCN1 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 VTCN1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: B7H4 belongs to the B7 family of costimulatory proteins. These proteins are expressed on the surface of antigen-presenting cells and interact with ligands on T lymphocytes. The predicted 282-amino acid protein, which is 87% identical to the mouse protein, contains a 2-amino acid intracellular domain, a large hydrophobic type I transmembrane region, and an extracellular domain with several N-glycosylation sites and conserved cysteine residues. Northern blot analysis revealed expression of a 1.8-kb transcript in spleen, lung, and thymus, and RT-PCR analysis detected expression in a wide range of tissues. Immunohistochemical and flow cytometric analyses showed expression on activated but not fresh T cells, B cells, monocytes, and dendritic cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	70997756
NCBI GeneID	79679
UniProt Accession #	Q7Z7D3
NCBI Official Full Name	B7-H4
NCBI Official Synonym Full Names	V-set domain containing T cell activation inhibitor 1
NCBI Official Symbol	VTCN1
NCBI Official Synonym Symbols	B7X; B7H4; B7S1; B7-H4; B7h.5; VCTN1; PRO1291
NCBI Protein Information	V-set domain-containing T-cell activation inhibitor 1
UniProt Protein Name	V-set domain-containing T-cell activation inhibitor 1
UniProt Gene Name	VTCN1
UniProt Synonym Gene Names	B7H4
UniProt Entry Name	VTCN1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/v-set-domain-containing-t-cell-activation-inhibitor-1-vtcn1/330271>