

Human V-set domain containing T cell activation inhibitor 1 ELISA Kit | VTCN1 elisa kit

Human B7-H4 ELISA Kit

CATALOG #
AAA15734

REACTIVITY
Human

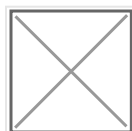
PRODUCT SYNONYMS

V-set domain containing T cell activation inhibitor 1; Human B7-H4 ELISA Kit; 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	This assay has high sensitivity and excellent specificity for detection of human B7-H4. No significant cross-reactivity or interference between human B7-H4 and analogues was observed.
Sequence Length	187
Samples	Serum, plasma, cell culture supernates and tissue homogenates
Assay Type	Sandwich
Detection Range	7.8 ng/ml -500 ng/ml.
Sensitivity	The minimum detectable dose of human B7-H4 is typically less than 1.95 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VTCN1 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for B7-H4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any B7-H4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for B7-H4 is added to the wells. After washing, avidin 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 B7-H4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	359718944
NCBI GeneID	79679
NCBI Accession #	NP_001240778.1
NCBI GenBank Nucleotide #	NM_001253849.1
UniProt Accession #	Q7Z7D3; Q0GN76; Q45VN0; Q5WPZ3; Q6P097; Q9H6B2
Molecular Weight	30,878 Da
NCBI Official Full Name	V-set domain-containing T-cell activation inhibitor 1 isoform 2
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; B7 family member, H4; B7 superfamily member 1; T cell costimulatory molecule B7x; T-cell costimulatory molecule B7x; immune costimulatory protein B7-H4
UniProt Protein Name	V-set domain-containing T-cell activation inhibitor 1
UniProt Gene Name	VTCN1
UniProt Synonym Gene Names	B7H4; UNQ659/PRO1291
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/vtcn1-human-elisa-kits/v-set-domain-containing-t-cell-activation-inhibitor-1/15734>