

Human Costimulatory molecules B7H4 ELISA Kit | B7 H4 elisa kit

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CATALOG #
AAA17200

REACTIVITY
Human

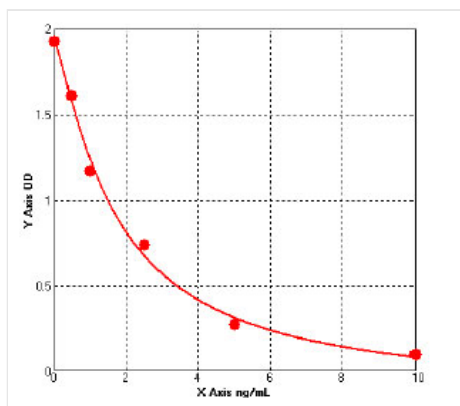
PRODUCT SYNONYMS

Costimulatory molecules B7H4 ; Human Costimulatory molecules B7H4 ELISA Kit; B7 H4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of B7H4. No significant cross-reactivity or interference between B7H4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between B7H4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for B7 H4 elisa kit	Principle of the Assay: B7H4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-B7H4 antibody and an B7H4-HRP conjugate. The assay sample and buffer are incubated together with B7H4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the B7H4 concentration since B7H4 from samples and B7H4-HRP conjugate compete for the anti-B7H4 antibody binding site. Since the number of sites is limited, as more sites are occupied by B7H4 from the sample, fewer sites are left to bind B7H4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The B7H4 concentration in each sample is interpolated from this standard curve. Intended Uses: This B7H4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human B7H4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	70997756
NCBI GeneID	79679
Molecular Weight	20,743 Da
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; 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/b7-h4-human-elisa-kits/costimulatorymoleculesb7h4/17200>