

## Human Costimulatory molecules B7H4 ELISA Kit | B7 H4 elisa kit

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CATALOG #  
**AAA17200**

REACTIVITY  
**Human**

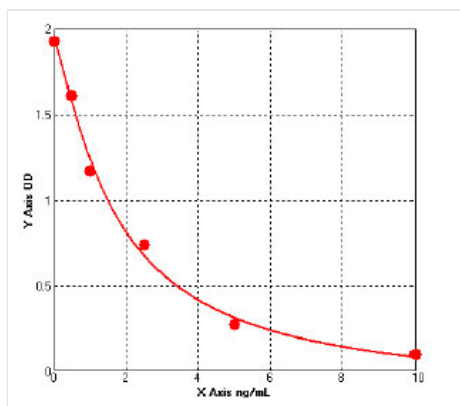
### PRODUCT SYNONYMS

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 | <p>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.</p> <p>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!</p> |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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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