

Mouse B7.H3 gene ELISA Kit | B7.H3 elisa kit

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CATALOG #
AAA82084

REACTIVITY
Mouse

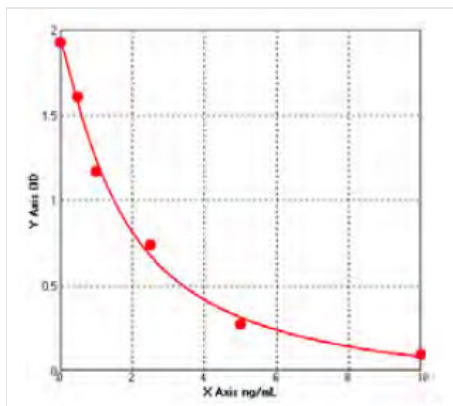
PRODUCT SYNONYMS

B7.H3 gene; Mouse B7.H3 gene ELISA Kit; B7.H3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of B7-H3. No significant cross-reactivity or interference between B7-H3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between B7-H3 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.H3 elisa kit	Principle of the Assay: B7-H3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-B7-H3 antibody and an B7-H3-HRP conjugate. The assay sample and buffer are incubated together with B7-H3-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 B7-H3 concentration since B7-H3 from samples and B7-H3-HRP conjugate compete for the anti-B7-H3 antibody binding site. Since the number of sites is limited, as more sites are occupied by B7-H3 from the sample, fewer sites are left to bind B7-H3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The B7-H3 concentration in each sample is interpolated from this standard curve. Intended Uses: This B7-H3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse B7-H3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for B7.H3 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	52694705
NCBI GeneID	80381
UniProt Accession #	Q5ZPR3 ; Q6P5Y4 ; Q6UXI2 ; Q8NBI8 ; Q8NC34 ; Q8NCB6 ; Q9BXR1
Molecular Weight	57,165 Da
NCBI Official Full Name	B7-H3 protein
NCBI Official Synonym Full Names	CD276 molecule
NCBI Official Symbol	CD276
NCBI Official Synonym Symbols	B7H3; B7-H3; B7RP-2; 4Ig-B7-H3
NCBI Protein Information	CD276 antigen; B7 homolog 3; costimulatory molecule
UniProt Protein Name	CD276 antigen
UniProt Gene Name	CD276
UniProt Synonym Gene Names	B7H3; PSEC0249; UNQ309/PRO352; B7-H3
UniProt Entry Name	CD276_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/mouse-elisa-kits/b7-h3-gene/82084>