

Porcine B7-H3 gene ELISA Kit | B7-H3 elisa kit

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CATALOG #
AAA91019

REACTIVITY
Porcine

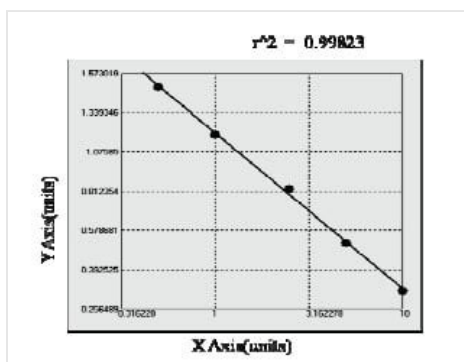
PRODUCT SYNONYMS

B7-H3 gene; Porcine B7-H3 gene ELISA Kit; B7-H3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This B7-H3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine B7-H3. This ELISA kit for research use only, not for therapeutic applications!
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 monoclonal 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.

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/porcine-elisa-kits/b7-h3-gene/91019>