

Bovine GDP Dissociation Inhibitor 1 ELISA Kit | GDI1 elisa kit

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CATALOG #
AAA90966

REACTIVITY
Bovine

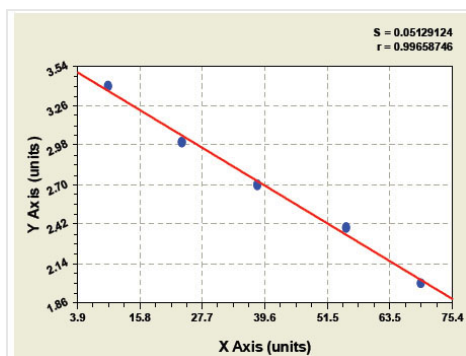
PRODUCT SYNONYMS

GDP Dissociation Inhibitor 1; Bovine GDP Dissociation Inhibitor 1 ELISA Kit; GDI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDI1 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GDI1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine GDI1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY GDI1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDI1 antibody and an GDI1-HRP conjugate. The assay sample and buffer are incubated together with GDI1-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 GDI1 concentration since GDI1 from samples and GDI1-HRP conjugate compete for the anti-GDI1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDI1 from the sample, fewer sites are left to bind GDI1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDI1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457546
NCBI GeneID	2664
UniProt Accession #	P31150; P50394; Q6FG50; Q7Z2G6; Q7Z2G9; Q7Z2H5; Q7Z2I6
Molecular Weight	50,583 Da
NCBI Official Full Name	GDI1, partial
NCBI Official Synonym Full Names	GDP dissociation inhibitor 1
NCBI Official Symbol	GDI1
NCBI Official Synonym Symbols	1A; GDIL; MRX41; MRX48; OPHN2; XAP-4; RABGD1A; RABGDIA
NCBI Protein Information	rab GDP dissociation inhibitor alpha; GDI-1; protein XAP-4; rab GDI alpha; oligophrenin-2; mental retardation, X-linked 48; rab GDP-dissociation inhibitor, alpha; guanosine diphosphate dissociation inhibitor 1
UniProt Protein Name	Rab GDP dissociation inhibitor alpha
UniProt Gene Name	GDI1
UniProt Synonym Gene Names	GDIL; OPHN2; RABGDIA; XAP4; Rab GDI alpha; GDI-1
UniProt Entry Name	GDIA_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/gdi1-bovine-ovine-elisa-kits/gdp-dissociation-inhibitor-1/90966>