

Bovine Optineurin ELISA Kit | OPTN elisa kit

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CATALOG #
AAA96238

REACTIVITY
Bovine

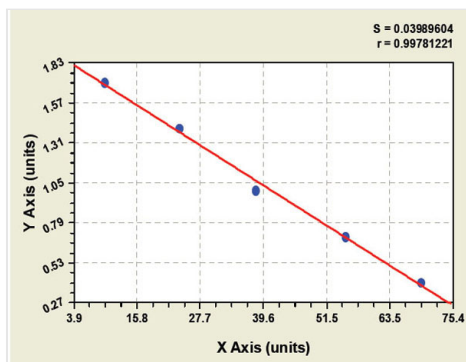
PRODUCT SYNONYMS

Optineurin; Bovine Optineurin ELISA Kit; OPTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This OPTN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine OPTN. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPTN elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	56549111
NCBI GeneID	10133
NCBI Accession #	NP_001008214.1
NCBI GenBank Nucleotide #	NM_001008213.1
Molecular Weight	59,559 Da
NCBI Official Full Name	optineurin
NCBI Official Synonym Full Names	optineurin
NCBI Official Symbol	OPTN
NCBI Official Synonym Symbols	NRP; FIP2; HIP7; HYPL; ALS12; GLC1E; TFIIIA-INTP
NCBI Protein Information	optineurin; FIP-2; HIP-7; nemo-related protein; huntingtin yeast partner L; E3-14.7K-interacting protein; Huntingtin interacting protein L; huntingtin-interacting protein 7; huntingtin-interacting protein L; optic neuropathy-inducing protein; transcription factor IIIA-interacting protein; transcription factor IIIA-interacting protein; tumor necrosis factor alpha-inducible cellular protein containing leucine zipper domains
UniProt Protein Name	Optineurin
UniProt Gene Name	OPTN
UniProt Synonym Gene Names	FIP2; GLC1E; HIP7; HYPL; NRP; HIP-7; TFIIIA-IntP
UniProt Entry Name	OPTN_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/optn-bovine-ovine-elisa-kits/optineurin/96238>