

Bovine Epiligrin ELISA Kit | EP elisa kit

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CATALOG #
AAA97391

REACTIVITY
Bovine

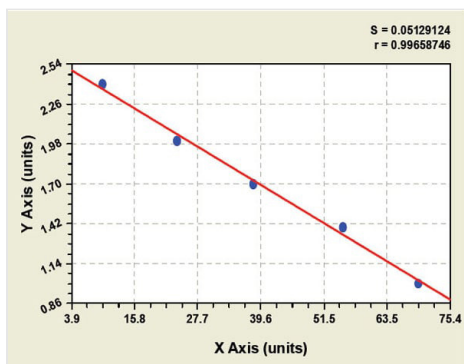
PRODUCT SYNONYMS

Epiligrin; Bovine Epiligrin ELISA Kit; EP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This EP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine EP. 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 EP elisa kit	Principle of the Assay: EP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-EP antibody and an EP-HRP conjugate. The assay sample and buffer are incubated together with EP-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 EP concentration since EP from samples and EP-HRP conjugate compete for the anti-EP antibody binding site. Since the number of sites is limited, as more sites are occupied by EP from the sample, fewer sites are left to bind EP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	551599
NCBI GeneID	3909
Molecular Weight	184,054 Da
NCBI Official Full Name	epiligrin alpha 3 subunit, partial
NCBI Official Synonym Full Names	laminin, alpha 3
NCBI Official Symbol	LAMA3
NCBI Official Synonym Symbols	E170; LOCS; BM600; LAMNA; lama3a
NCBI Protein Information	laminin subunit alpha-3; BM600 150kD subunit; nicein 150kD subunit; nicein subunit alpha; kalinin 165kD subunit; kalinin subunit alpha; epiligrin subunit alpha; laminin-5 alpha 3 chain; laminin-5 subunit alpha; laminin-6 subunit alpha; laminin-7 subunit alpha; epiligrin 170 kda subunit; epiligrin alpha 3 subunit; laminin, alpha 3 (nicein (150kD), kalinin (165kD), BM600 (150kD), epilegrin)
UniProt Protein Name	Laminin subunit alpha-3
UniProt Gene Name	LAMA3
UniProt Synonym Gene Names	LAMNA; E170
UniProt Entry Name	LAMA3_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/ep-bovine-ovine-elisa-kits/epiligrin/97391>