

Bovine Desmin ELISA Kit | Des elisa kit

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CATALOG #
AAA16729

REACTIVITY
Bovine

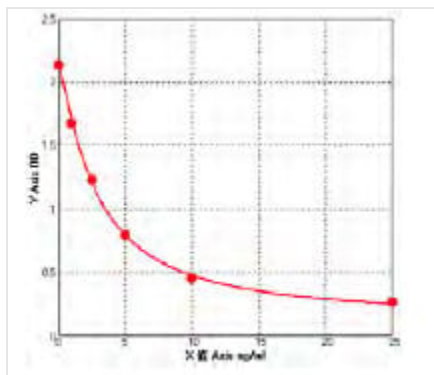
PRODUCT SYNONYMS

Desmin; Bovine Desmin ELISA Kit; Des elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of DES. No significant cross-reactivity or interference between DES and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DES and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 Des elisa kit	Intended Uses: This DES ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine DES. This ELISA kit for research use only! Principle of the Assay: DES ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DES antibody and an DES-HRP conjugate. The assay sample and buffer are incubated together with DES-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 DES concentration since DES from samples and DES-HRP conjugate compete for the anti-DES antibody binding site. Since the number of sites is limited, as more sites are occupied by DES from the sample, fewer sites are left to bind DES-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DES concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Des elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	55749932
NCBI GeneID	1674
NCBI Accession #	NP_001918.3
NCBI GenBank Nucleotide #	NM_001927.3
Molecular Weight	53,536 Da
NCBI Official Full Name	desmin
NCBI Official Synonym Full Names	desmin
NCBI Official Symbol	DES
NCBI Official Synonym Symbols	CSM1; CSM2; LGMD2R
NCBI Protein Information	desmin; mutant desmin p.K241E; intermediate filament protein
UniProt Protein Name	Desmin
UniProt Gene Name	DES
UniProt Entry Name	DESM_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.