

Human Desmin ELISA Kit | DES elisa kit

Desmin Human ELISA Kit

CATALOG # AAA58883	REACTIVITY Human	APPLICATIONS ELISA
------------------------------	----------------------------	------------------------------

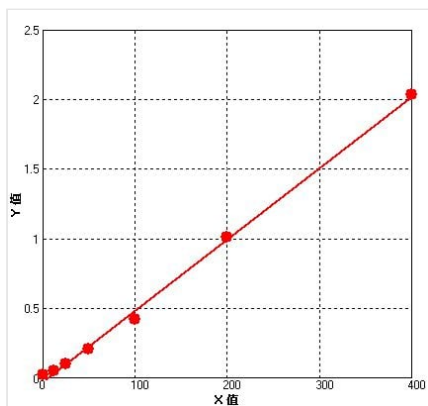
PRODUCT SYNONYMS

Desmin; Desmin Human ELISA Kit; Human Desmin; DES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	10 ng/ml-450 ng/ml
Applicable Applications for DES elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DES elisa kit	Principle of the Assay: This kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. The purified anti-Desmin antibody was pre-coated onto 96-well plates. And the HRP conjugated anti-Desmin antibody was used as detection antibodies. The standards, test samples and HRP conjugated detection antibody were added to the wells subsequently, mixed and incubated, then, unbound conjugates were washed away with wash buffer. TMB substrates (A & B) were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Desmin amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Desmin can be calculated. Background: Desmin is a type III intermediate filament found near the Z line in sarcomeres. It was first described in 1976, first purified in 1977, the gene was cloned in 1989, and the first knock-out mouse was created in 1996. It is one of the earliest myogenic markers, both in heart and somites, and is expressed in satellite stem cells and replicating myoblasts. The desmin provides attachments between the terminal Z disc and membrane-associated proteins to form a force-transmitting system that parallels the thin filaments at myotendinous junctions. Desmin is also important in muscle cell architecture and structure since it connects many components of the cytoplasm. Finally, desmin may be important in mitochondria function. When desmin is not functioning properly there is improper mitochondrial distribution, number, morphology and function.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	55749932
NCBI GeneID	1674
NCBI Accession #	NP_001918.3
NCBI GenBank Nucleotide #	NM_001927.3
UniProt Accession #	P17661; Q15787; Q549R7; Q549R8; Q549R9; Q8IZR1; Q8IZR6; Q8NES2; Q8NEU6; Q8TAC4; Q8TCX2; Q8TD99
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; 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.