

## Bovine DIS3-like exonuclease 1 (DIS3L) ELISA Kit

Catalog No: #EK10673



Package Size: #EK10673-1 48T #EK10673-2 96T

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## Description

Product Name	Bovine DIS3-like exonuclease 1 (DIS3L) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	FLJ38088; KIAA1955; MGC4562;
Accession No.	A0JN80
Uniprot	A0JN80
GeneID	777771;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DIS3L in samples. An antibody specific for DIS3L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDIS3L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DIS3L is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DIS3L bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Dis3L is an RNase enzyme homologous to the yeast protein Rrp44, and can be part of the exosome complex in the cytoplasm of eukaryotic cells.

DIS3L belongs to the ribonuclease II (RNB) family. Ribonuclease II (RNase II) is a major exoribonuclease that intervenes in all of these fundamental processes; it can act independently or as a component of the exosome, an essential RNA-degrading multiprotein complex. RNase II-like enzymes are found in all three kingdoms of life, but there are no structural data for any of the proteins of this family. RNase R is a close homolog of RNase II, but it can, unlike RNase II, degrade RNA with secondary structures without help of accessory factors.

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Note: This product is for in vitro research use only