

Human Nucleoporin 133kDa ELISA Kit | NUP133 elisa kit

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CATALOG #
AAA82998

REACTIVITY
Human

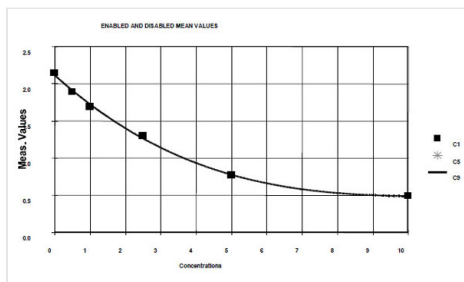
PRODUCT SYNONYMS

Nucleoporin 133kDa; Human Nucleoporin 133kDa ELISA Kit; NUP133 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NUP133 elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This NUP133 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of NUP133 in the sample, this NUP133 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus NUP133 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of NUP133 utilizes a multiclonal anti-NUP133 antibody and an NUP133-HRP conjugate. The assay sample and buffer are incubated together with NUP133-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 NUP133 concentration since NUP133 from samples and NUP133-HRP conjugate compete for the anti-NUP133 antibody binding site. Since the number of sites is limited, as more sites are occupied by NUP133 from the sample, fewer sites are left to bind NUP133-HRP conjugate. Standards of known NUP133 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of NUP133. The NUP133 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for NUP133 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	486563
UniProt Accession #	P36161; D6VXE2
Molecular Weight	133,321 Da
NCBI Official Full Name	NUP133
UniProt Protein Name	Nucleoporin NUP133
UniProt Gene Name	NUP133
UniProt Synonym Gene Names	RAT3; YKR082W; YKR402
UniProt Entry Name	NU133_YEAST

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.