

Human Exportin-5 (XPO5) ELISA Kit | XPO5 elisa kit

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CATALOG #
AAA330242

REACTIVITY
Human

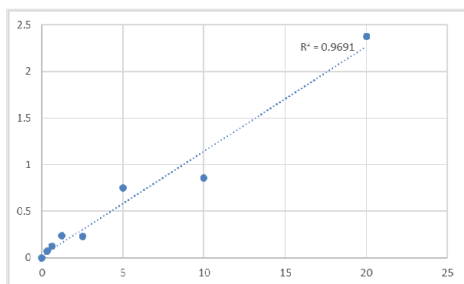
PRODUCT SYNONYMS

Exportin-5 (XPO5); Human Exportin-5 (XPO5) ELISA Kit; XPO5; RP3-337H4.5; FLJ14239; FLJ32057; FLJ45606; KIAA1291; XPO5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Exportin-5 (XPO5) ELISA Kit has high sensitivity and excellent specificity for detection of Human XPO5. No significant cross-reactivity or interference between Human XPO5 and analogues was observed.
Sequence Length	1204
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Exportin-5 (XPO5) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for XPO5 elisa kit	Description: This Human Exportin-5 (XPO5) ELISA Kit employs a two-site sandwich ELISA to quantitate XPO5 in samples. An antibody specific for XPO5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any XPO5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XPO5 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 XPO5 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Exportin-5 belongs to a large family of karyopherins that mediate the transport of proteins and other cargo between the nuclear and cytoplasmic compartments. The deduced 1,205-amino acid protein has a calculated molecular mass of about 136 kD. XPO5 and XPO1 share 25% amino acid identity. Northern blot analysis detected transcripts of about 3.6 and 5.0 kb in all tissues examined.XPO5 bound the nucleoporins NUP214 and NUP153 in a RAN-GTP-independent manner and bound a cargo protein, ILF3, in a RAN-GTP-dependent manner. XPO5 bound ILF3 at its double-stranded RNA-binding domain (dsRBD) and also bound the dsRBDs of other proteins. XPO5 directly interacted with VA1 RNA in a RAN-GTP-dependent manner.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22748937
NCBI GeneID	57510
NCBI Accession #	NP_065801.1
NCBI GenBank Nucleotide #	NP_065801.1
UniProt Accession #	Q9HAV4
NCBI Official Full Name	exportin-5
NCBI Official Synonym Full Names	exportin 5
NCBI Official Symbol	XPO5
NCBI Official Synonym Symbols	exp5
NCBI Protein Information	exportin-5
UniProt Protein Name	Exportin-5
UniProt Gene Name	XPO5
UniProt Synonym Gene Names	KIAA1291; RANBP21; Exp5

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.