

Human Exportin-1 (XPO1) ELISA Kit | XPO1 elisa kit

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CATALOG #
AAA330243

REACTIVITY
Human

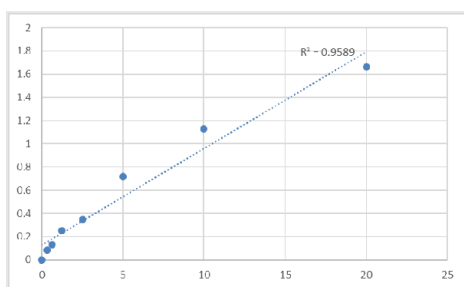
PRODUCT SYNONYMS

Exportin-1 (XPO1); Human Exportin-1 (XPO1) ELISA Kit; XPO1; CRM1; DKFZp686B1823; yeast; homolog; Exportin-1 (required for chromosome region maintenance); OTTHUMP00000201471; OTTHUMP00000201493; OTTHUMP00000201494; exportin 1; exportin 1 (CRM1; XPO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Exportin-1 (XPO1) ELISA Kit has high sensitivity and excellent specificity for detection of Human XPO1. No significant cross-reactivity or interference between Human XPO1 and analogues was observed.
Sequence Length	1071
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-1 (XPO1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for XPO1 elisa kit	Description: This Human Exportin-1 (XPO1) ELISA Kit employs a two-site sandwich ELISA to quantitate XPO1 in samples. An antibody specific for XPO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any XPO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XPO1 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 XPO1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Exportin-1 mediates leucine-rich nuclear export signal (NES)-dependent protein transport. Exportin 1 specifically inhibits the nuclear export of Rev and U snRNAs. It is involved in the control of several cellular processes by controlling the localization of cyclin B, MPAK, and MAPKAP kinase 2. This protein also regulates NFAT and AP-1. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Involved in U3 snoRNA transport from Cajal bodies to nucleoli. Binds to late precursor U3 snoRNA bearing a TMG cap. Several viruses, among them HIV-1, HTLV-1 and influenza A use it to export their unspliced or incompletely spliced RNAs out of the nucleus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68052989
NCBI GeneID	7514
UniProt Accession #	O14980
NCBI Official Full Name	Exportin-1
NCBI Official Synonym Full Names	exportin 1
NCBI Official Symbol	XPO1
NCBI Official Synonym Symbols	emb; CRM1; exp1; CRM-1
NCBI Protein Information	exportin-1
UniProt Protein Name	Exportin-1
UniProt Gene Name	XPO1
UniProt Synonym Gene Names	CRM1; Exp1
UniProt Entry Name	XPO1_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/exportin-1-xpo1/330243>