Human Cisplatin Resistance Associated Overexpressed Protein ELISA Kit | CROP elisa kit

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CATALOG #	REACTIVITY
AAA84865	**Human**

PRODUCT SYNONYMS

Cisplatin Resistance Associated Overexpressed Protein; Human Cisplatin Resistance Associated Overexpressed Protein ELISA Kit; CROP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CROP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CROP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CROP elisa kit	**Principle of the Assay:** CROP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CROP antibody and an CROP-HRP conjugate. The assay sample and buffer are incubated together with CROP-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 CROP concentration since CROP from samples and CROP-HRP conjugate compete for the anti-CROP antibody binding site. Since the number of sites is limited, as more sites are occupied by CROP from the sample, fewer sites are left to bind CROP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CROP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CROP elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	33877365
NCBI GeneID	51747

Molecular Weight	9,194 Da
NCBI Official Full Name	CROP protein, partial
NCBI Official Synonym Full Names	LUC7-like 3 (S. cerevisiae)
NCBI Official Symbol	LUC7L3
NCBI Official Synonym Symbols	CRA; CROP; LUC7A; hLuc7A; CREAP-1; OA48-18
NCBI Protein Information	luc7-like protein 3; CRE-associated protein 1; cAMP regulatory element-associated protein 1; okadaic acid-inducible phosphoprotein OA48-18; cisplatin resistance associated overexpressed protein; cisplatin resistance-associated overexpressed protein; cisplatin resistance-associated-overexpressed protein
UniProt Protein Name	Luc7-like protein 3
UniProt Gene Name	**LUC7L3**
UniProt Synonym Gene Names	CREAP1; CROP; O48; CRE-associated protein 1; CREAP-1
UniProt Entry Name	LC7L3_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://stage.aaabiotech.com/crop-human-elisa-kits/cisplatin-resistance-associated-overexpressed-protein/84865