

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

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CATALOG #
AAA82622

REACTIVITY
Rat

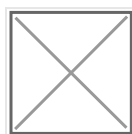
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CROP elisa kit

For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma

Intended Uses: This CROP 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 CROP in the sample, this CROP 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 CROP 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 CROP utilizes 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. Standards of known CROP 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 CROP. 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-rat-elisa-kits/cisplatin-resistance-associated-overexpressed-protein/82622>