

Human Anthrax Toxin Receptor 1 ELISA Kit | ANT XR1 elisa kit

Human Anthrax Toxin Receptor 1 ELISA Kit

CATALOG #
AAA93805

REACTIVITY
Human

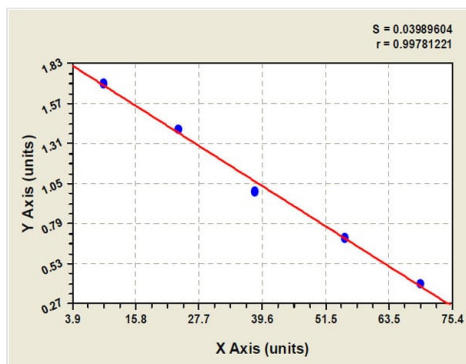
PRODUCT SYNONYMS

Anthrax Toxin Receptor 1; Human Anthrax Toxin Receptor 1 ELISA Kit; ANT XR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ANT XR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ANT XR1. 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 ANT XR1 elisa kit

Principle of the Assay: ANT XR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ANT XR1 antibody and an ANT XR1-HRP conjugate. The assay sample and buffer are incubated together with ANT XR1-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 ANT XR1 concentration since ANT XR1 from samples and ANT XR1-HRP conjugate compete for the anti-ANT XR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANT XR1 from the sample, fewer sites are left to bind ANT XR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANT XR1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16933553
NCBI GeneID	84168
NCBI Accession #	NP_060623.2
NCBI GenBank Nucleotide #	NM_018153.3
Molecular Weight	39,742 Da
NCBI Official Full Name	anthrax toxin receptor 1 isoform 3
NCBI Official Synonym Full Names	anthrax toxin receptor 1
NCBI Official Symbol	ANTXR1
NCBI Official Synonym Symbols	ATR; GAPO; TEM8
NCBI Protein Information	anthrax toxin receptor 1; 2310008J16Rik; 2810405N18Rik; tumor endothelial marker 8
UniProt Protein Name	Anthrax toxin receptor 1
UniProt Gene Name	ANTXR1
UniProt Synonym Gene Names	ATR; TEM8
UniProt Entry Name	ANTR1_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.