

Rat Syncytin 1 ELISA Kit | ERVW-1 elisa kit

Rat Syncytin 1 ELISA Kit

CATALOG #
AAA247313

REACTIVITY
Rat

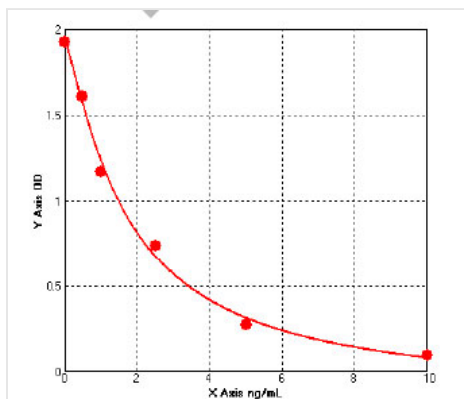
PRODUCT SYNONYMS

Syncytin 1; Rat Syncytin 1 ELISA Kit; ERVW-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ERVW-1. No significant cross-reactivity or interference between ERVW-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ERVW-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	538
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERVW-1 elisa kit	Principle of the Assay: ERVW-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ERVW-1 antibody and an ERVW-1-HRP conjugate. The assay sample and buffer are incubated together with ERVW-1-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 ERVW-1 concentration since ERVW-1 from samples and ERVW-1-HRP conjugate compete for the anti-ERVW-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ERVW-1 from the sample, fewer sites are left to bind ERVW-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ERVW-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ERVW-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ERVW-1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ERVW-1 elisa kit	Microbiology; Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	195963433
NCBI GeneID	30816
NCBI Accession #	NP_001124397.1
NCBI GenBank Nucleotide #	NM_001130925.2
UniProt Accession #	Q9UQF0; O95244; O95245; Q8NHY7; Q9NRZ2; Q9NZG3; B2RPD4
Molecular Weight	59,866 Da
NCBI Official Full Name	syncytin-1
NCBI Official Synonym Full Names	endogenous retrovirus group W member 1, envelope
NCBI Official Symbol	ERVW-1
NCBI Official Synonym Symbols	ENV; ENVW; HERVW; ERVWE1; HERV7Q; HERV-7q; HERVWENV; HERV-W-ENV
NCBI Protein Information	syncytin-1
UniProt Protein Name	Syncytin-1
UniProt Gene Name	ERVW-1
UniProt Synonym Gene Names	ERVWE1; SU; TM

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.