

Rat Soluble transferrin receptor ELISA Kit | sTfR elisa kit

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CATALOG #
AAA94133

REACTIVITY
Rat

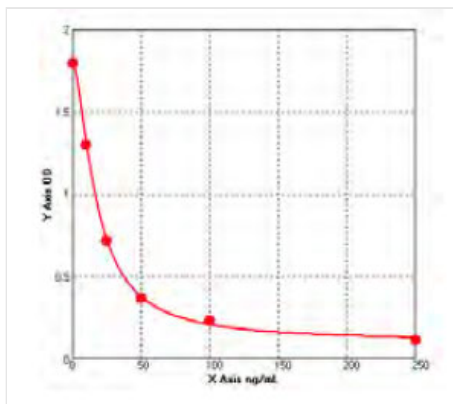
PRODUCT SYNONYMS

Soluble transferrin receptor; Rat Soluble transferrin receptor ELISA Kit; sTfR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of sTfFeR. No significant cross-reactivity or interference between sTfFeR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between sTfFeR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

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/stfr-rat-elisa-kits/soluble-transferrin-receptor/94133>