

Human Transferrin Receptor 2 (TFR2) ELISA Kit | TFR2 elisa kit

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CATALOG #
AAA20749

REACTIVITY
Human

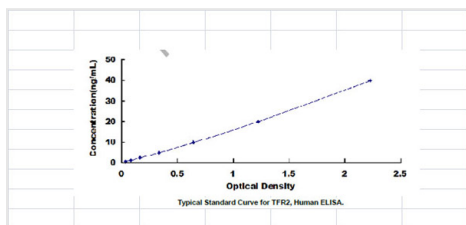
PRODUCT SYNONYMS

Transferrin Receptor 2 (TFR2); Human Transferrin Receptor 2 (TFR2) ELISA Kit; HFE3; TFRC2; TFR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TFR2. No significant cross-reactivity or interference between TFR2 and analogues was observed.
Sequence Length	774
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.263ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TFR2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TFR2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFR2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TFR2 in human serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TFR2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TFR2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TFR2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TFR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TFR2 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	33589848
NCBI GeneID	7036
NCBI Accession #	NP_003218.2
NCBI GenBank Nucleotide #	NM_003227.3
UniProt Accession #	Q9UP52; O75422; Q1HE13; Q9HA99; Q9NX67; A6NGM7
Molecular Weight	86,012 Da
NCBI Official Full Name	transferrin receptor protein 2 isoform 1
NCBI Official Synonym Full Names	transferrin receptor 2
NCBI Official Symbol	TFR2
NCBI Official Synonym Symbols	HFE3; TFRC2
NCBI Protein Information	transferrin receptor protein 2
UniProt Protein Name	Transferrin receptor protein 2
UniProt Gene Name	TFR2
UniProt Synonym Gene Names	TfR2
UniProt Entry Name	TFR2_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.