

Human Cystic Fibrosis Transmembrane Conductance Regulator ELISA Kit | CFTR elisa kit

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CATALOG #
AAA98864

REACTIVITY
Human

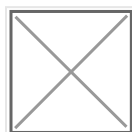
PRODUCT SYNONYMS

Cystic Fibrosis Transmembrane Conductance Regulator; Human Cystic Fibrosis Transmembrane Conductance Regulator ELISA Kit; CFTR/ABC35/ABCC7CF/ATP-binding cassette sub-family C member 7/ATP-binding cassette transporter sub-family C member 7/cAMP-dependent chloride channel/CFTR/MRP/Channel conductance-controlling ATPase/cystic fibrosis transmembrane conductance regulator/cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C; member 7)/cystic fibrosis transmembrane conductance regulator; ATP-binding cassette (sub-family C; member 7)/TNR-CFTR; CFTR elisa kit

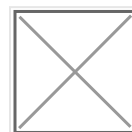
PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1480
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CFTR elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human CFTR antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CFTR antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CFTR amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CFTR can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	90421313
NCBI GeneID	1080
NCBI Accession #	NP_000483.3

NCBI GenBank Nucleotide #	NM_000492.3
Molecular Weight	69,230 Da
NCBI Official Full Name	cystic fibrosis transmembrane conductance regulator
NCBI Official Synonym Full Names	cystic fibrosis transmembrane conductance regulator
NCBI Official Symbol	CFTR
NCBI Official Synonym Symbols	CF; MRP7; ABC35; ABCC7; CFTR/MRP; TNR-CFTR; dJ760C5.1
NCBI Protein Information	cystic fibrosis transmembrane conductance regulator
UniProt Protein Name	Cystic fibrosis transmembrane conductance regulator
UniProt Gene Name	CFTR
UniProt Synonym Gene Names	ABCC7; CFTR
UniProt Entry Name	CFTR_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/cftr-human-elisa-kits/cystic-fibrosis-transmembrane-conductance-regulator/98864>