

DNA Damage Inducible Transcript 3 (DDIT3) ELISA Kit | DDIT3 elisa kit

Human DNA Damage Inducible Transcript 3 (DDIT3) ELISA Kit

CATALOG #
AAA88046

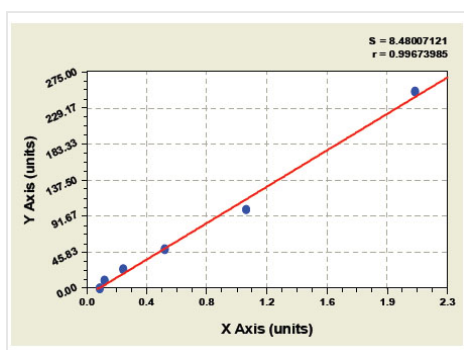
PRODUCT SYNONYMS

DNA Damage Inducible Transcript 3 (DDIT3); Human DNA Damage Inducible Transcript 3 (DDIT3) ELISA Kit; DDIT3 elisa kit

PRODUCT SPECIFICATIONS

Sequence Length	192
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
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 DDIT3 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This 8-OHdG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 8-OHdG. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY 8-OHdG ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for 8-OHdG. Standards or samples are then added to the microtiter plate wells and 8-OHdG if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of 8-OHdG present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for 8-OHdG are added to each well to "sandwich" the 8-OHdG immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain 8-OHdG and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 8-OHdG concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	304282229
NCBI GeneID	1649
NCBI Accession #	NP_001181984.1
NCBI GenBank Nucleotide #	NM_001195055.1
UniProt Accession #	P35638; Q53YD1
Molecular Weight	19,175 Da
NCBI Official Full Name	DNA damage-inducible transcript 3 protein isoform 1
NCBI Official Synonym Full Names	DNA-damage-inducible transcript 3
NCBI Official Symbol	DDIT3
NCBI Official Synonym Symbols	CHOP; CEBPZ; CHOP10; CHOP-10; GADD153
NCBI Protein Information	DNA damage-inducible transcript 3 protein; DDIT-3; C/EBP zeta; c/EBP-homologous protein 10; CCAAT/enhancer-binding protein homologous protein; growth arrest and DNA damage-inducible protein GADD153
UniProt Protein Name	DNA damage-inducible transcript 3 protein
UniProt Gene Name	DDIT3
UniProt Synonym Gene Names	CHOP; CHOP10; GADD153; DDIT-3; CHOP; CHOP-10
UniProt Entry Name	DDIT3_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/elisa-kits/dna-damage-inducible-transcript-3-ddit3/88046>