

Human DNA damage-inducible transcript 3 protein ELISA Kit | DDIT3 elisa kit

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CATALOG #
AAA97661

REACTIVITY
Human

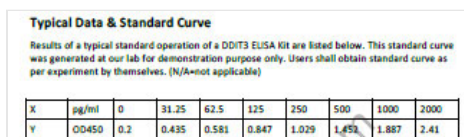
PRODUCT SYNONYMS

DNA damage-inducible transcript 3 protein; Human DNA damage-inducible transcript 3 protein ELISA Kit; DDIT3/CEBP zeta/CHOP/CHOP10/C; EBP-homologous protein/C; EBP-homologous protein 10/CCAAT; enhancer-binding protein homologous protein/CHOP-10/CHOP10 CEBPZ/CHOPC; EBP zeta/DDIT-3/DNA damage-inducible transcript 3 protein/DNA-damage-inducible transcript 3/GADD153/Growth arrest and DNA damage-inducible protein GADD153; DDIT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DDIT3. No significant cross-reactivity or interference between DDIT3 and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between DDIT3 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	168
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DDIT3 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DDIT3 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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)

ADDITIONAL INFORMATION

Related Product Information for DDIT3 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-DDIT3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-DDIT3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 DDIT3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of DDIT3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158517888
NCBI GeneID	29467
NCBI Accession #	NP_001103456.1
NCBI GenBank Nucleotide #	NM_001109986.1
Molecular Weight	19,013 Da
NCBI Official Full Name	DNA damage-inducible transcript 3 protein
NCBI Official Synonym Full Names	DNA-damage inducible transcript 3
NCBI Official Symbol	Ddit3
NCBI Official Synonym Symbols	CHOP; Chop10; CHOP-10; Gadd153
NCBI Protein Information	DNA damage-inducible transcript 3 protein
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_RAT

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/ddit3-human-elisa-kits/dna-damage-inducible-transcript-3-protein/97661>