

Canine DNA Damage Inducible Transcript 3 ELISA Kit | DDIT3 elisa kit

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CATALOG #
AAA17143

REACTIVITY
Canine

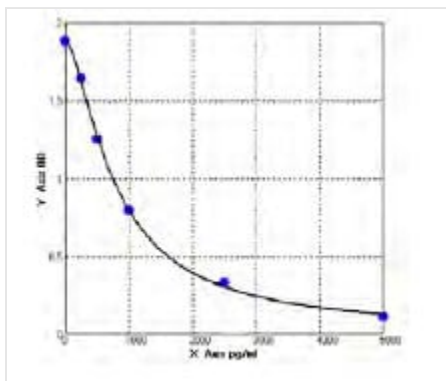
PRODUCT SYNONYMS

DNA Damage Inducible Transcript 3; Canine DNA Damage Inducible Transcript 3 ELISA Kit; DDIT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 impossible for us to complete the cross-reactivity detection between DDIT3 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 pg/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	Intended Uses: This DDIT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine DDIT3. This ELISA kit for research use only! Principle of the Assay: DDIT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DDIT3 antibody and an DDIT3-HRP conjugate. The assay sample and buffer are incubated together with DDIT3-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 DDIT3 concentration since DDIT3 from samples and DDIT3-HRP conjugate compete for the anti-DDIT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by DDIT3 from the sample, fewer sites are left to bind DDIT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DDIT3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DDIT3 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	304282234
NCBI GeneID	1649
NCBI Accession #	NP_001181986.1
NCBI GenBank Nucleotide #	NM_001195057.1
Molecular Weight	21,700 Da
NCBI Official Full Name	DNA damage-inducible transcript 3 protein isoform 2
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.