

Human Beta,beta-carotene 9',10'-oxygenase ELISA Kit | BCO2 elisa kit

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CATALOG #
AAA102090

REACTIVITY
Human

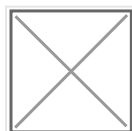
PRODUCT SYNONYMS

Beta; beta-carotene 9'; 10'-oxygenase; Human Beta; 10'-oxygenase ELISA Kit; BCO2/Beta; 10'-oxygenase/B-diox-II/Beta-carotene dioxygenase 2; BCO2 elisa kit

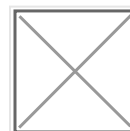
PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	474
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/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 BCO2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human BCO2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human BCO2 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 BCO2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human BCO2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	374081851
NCBI GeneID	83875
NCBI Accession #	NP_001243329.1
NCBI GenBank Nucleotide #	NM_001256400.1
Molecular Weight	53,630 Da

NCBI Official Full Name	beta,beta-carotene 9',10'-oxygenase isoform e
NCBI Official Synonym Full Names	beta-carotene oxygenase 2
NCBI Official Symbol	BCO2
NCBI Official Synonym Symbols	BCDO2; B-DIOX-II
NCBI Protein Information	beta,beta-carotene 9',10'-oxygenase
UniProt Protein Name	Beta,beta-carotene 9',10'-oxygenase
UniProt Gene Name	BCO2
UniProt Synonym Gene Names	BCDO2
UniProt Entry Name	BCDO2_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/bco2-human-elisa-kits/betabeta-carotene-910-oxygenase/102090>