Human DAO Antibody Pair Set

Catalog No. E-KAB-0498 **Applications** ELISA
Synonyms AOC1;ABP1;Amiloride Binding Protein 1;Amine Oxidase (Copper-Containing)

Kit components & Storage

Title	Specifications	Storage
Human DAO Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human DAO Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

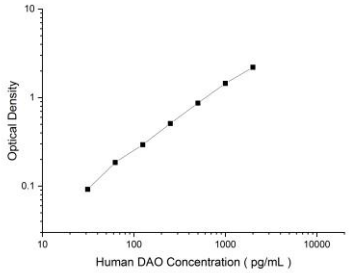
Product Information

Items		Characteristic (E-KAB-0498)	
		Human DAO Capture Antibody	Human DAO Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human DAO protien	Recombinant Human DAO protien
	Swissprot	P14920	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human DAO in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com

Applications

Human DAO Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human DAO Capture Antibody	
ELISA Detection	1:1000-1:10000	Human DAO Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene encodes the peroxisomal enzyme D-amino acid oxidase. The enzyme is a flavoprotein which uses flavin adenine dinucleotide (FAD) as its prosthetic group. Its substrates include a wide variety of D-amino acids , but it is inactive on the naturally occurring L-amino acids. Its biological function is not known , it may act as a detoxifying agent which removes D-amino acids that accumulate during aging. In mice , it degrades D-serine , a co-agonist of the NMDA receptor. This gene may play a role in the pathophysiology of schizophrenia.

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