Human Aβ1-42 Antibody Pair Set

Catalog No. E-KAB-0447 **Applications** ELISA

Synonyms Aβ (1-42);Amyloid Beta 42;Amyloid Beta 42

Kit components & Storage

Title	Specifications	Storage
Human Aβ1-42 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human Aβ1-42 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.

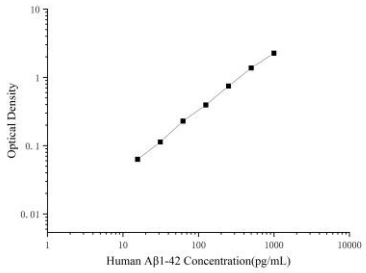
Product Information

Items		Characteristic (E-KAB-0447)	
		Human Aβ1-42 Capture Antibody	Human Aβ1-42 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human Aβ1-42 protien	Recombinant Human Aβ1-42 protien
	Swissprot	P05067	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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	Protein A or G	Protein A or G
	Specificity	Detects Human Aβ1-42 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 Aβ1-42 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human Aβ1-42 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human Aβ1-42 Detection Antibody (Biotin)	

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

Background

Aβ derives from APP via proteolytic cleavage by proteases called α- , β- and γ-secretase. The α-secretase cleavage precludes the formation of Aβ , while the β- and γ-cleavages generate APP components with amyloidogenic features. Amyloid beta A4 precursor protein (APP) , encoded by APP gene which locate on human chromosome 21q , is a cell surface receptor and performs physiological functions on the surface of neurons relevant to neurite growth , neuronal adhesion and axonogenesis. APP expressed in all fetal tissues and is pronounced in brain , kidney , heart and spleen , but weak in liver. Defects in APP are the cause of Alzheimer disease type 1 (AD1) . This antibody can recogniaze the N-terminus of human APP: Soluble APP-alpha and Soluble APP-beta.

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