Human α2-M Antibody Pair Set

Catalog No. E-KAB-0526 **Applications** ELISA
Synonyms α2M;A2M

Kit components & Storage

Title	Specifications	Storage
Human α2-M Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human α2-M Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

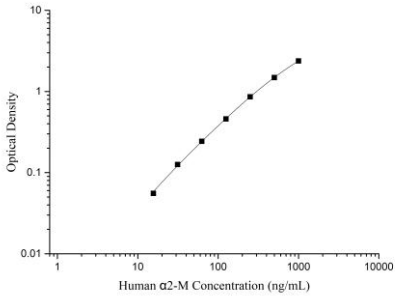
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0526)	
		Human α2-M Capture Antibody	Human α2-M Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human α2-M protien	Recombinant Human α2-M protien
	Swissprot	P01023	
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	Protein A or G	Antigen Affinity
	Specificity	Detects Human α2-M in ELISAs.	

Applications

Human α2-M Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human α2-M Capture Antibody	
ELISA Detection	1:1000-1:10000	Human α2-M Detection Antibody (Biotin)	

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

Background

The protein encoded by this gene is a protease inhibitor and cytokine transporter. It uses a bait-and-trap mechanism to inhibit a broad spectrum of proteases , including trypsin , thrombin and collagenase. It can also inhibit inflammatory cytokines , and it thus disrupts inflammatory cascades. Mutations in this gene are a cause of alpha-2-macroglobulin deficiency. This gene is implicated in Alzheimer's disease (AD) due to its ability to mediate the clearance and degradation of A-beta , the major component of beta-amyloid deposits. A related pseudogene , which is also located on the p arm of chromosome 12 , has been identified.