

Human α 2-M Antibody Pair Set

Catalog No. E-KAB-0526

Applications

ELISA

Synonyms α 2M; A2M

Kit components & Storage

Title	Specifications	Storage
Human α 2-M Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human α 2-M Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20°C for one year. Avoid freeze/thaw cycles.

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

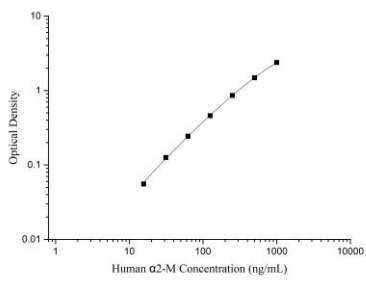
Product Information

Items		Characteristic (E-KAB-0526)	
		Human α 2-M Capture Antibody	Human α 2-M Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human α 2-M protien	Recombinant Human α 2-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 α 2-M in ELISAs.	

For Research Use Only

Applications

Human α 2-M Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μ g/mL	Human α 2-M Capture Antibody	
ELISA Detection	1:1000-1:10000	Human α 2-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.

For Research Use Only