

## Human AMBP Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0441	<b>Applications</b>	ELISA
<b>Synonyms</b>	A1M;EDC1;HCP;HI30;IATIL;ITI;ITIL;ITILC;UTI		

### Kit components & Storage

Title	Specifications	Storage
Human AMBP Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human AMBP Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

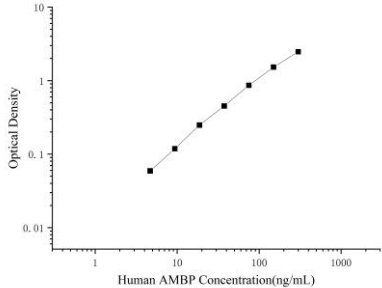
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0441)	
		Human AMBP Capture Antibody	Human AMBP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human AMBP protien	Recombinant Human AMBP protien
	Swissprot	P02760	
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 & Antigen Affinity	Protein A & Antigen Affinity
	Specificity	Detects Human AMBP in ELISAs.	

## Applications

Human AMBP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human AMBP Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human AMBP Concentration(ng/mL)' and ranges from 1 to 1000. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Human AMBP and the optical density.</p>
ELISA Detection	1:1000-1:10000	Human AMBP 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 a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. This gene is located on chromosome 9 in a cluster of lipocalin genes.