Human BMP-7 Antibody Pair Set

Catalog No. E-KAB-0444 **Applications** ELISA
Synonyms BMP7;OP1;Osteogenic Protein-1

Kit components & Storage

Title	Specifications	Storage
Human BMP-7 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human BMP-7 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-0444)	
		Human BMP-7 Capture Antibody	Human BMP-7 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human BMP-7 protien	Recombinant Human BMP-7 protien
	Swissprot	P18075	
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 BMP-7 in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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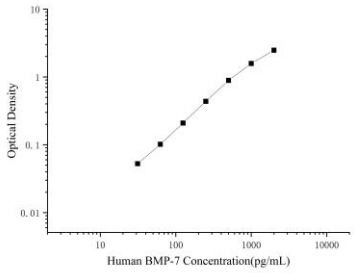
Applications

Human BMP-7 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human BMP-7 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human BMP-7 Detection Antibody (Biotin)	

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

Background

Bone morphogenetic protein 7 (BMP-7) , also known as osteogenic protein 1 (OP-1) , is a widely expressed TGF-beta superfamily member with important functions during embryogenesis , in the adult , and in disease . Human BMP-7 is synthesized with a 29 amino acid (aa) signal sequence , a 263 aa propeptide , and a 139 aa growth factor domain . The growth factor domain of human BMP-7 shares 98% aa sequence identity with mouse and rat BMP-7. The BMP-7 propeptide is cleaved intracellularly but often remains associated with the mature C-terminus.

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