

Human PEDF Antibody Pair Set

Catalog No.	E-KAB-0530	Applications	ELISA
Synonyms	SERPINF1;EPC-1;OI12;OI6;PIG35		

Kit components & Storage

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

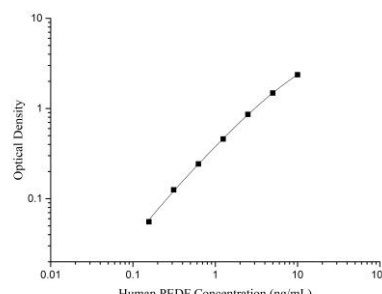
Product Information

Items		Characteristic (E-KAB-0530)	
		Human PEDF Capture Antibody	Human PEDF Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human PEDF protien	Recombinant Human PEDF protien
	Swissprot	P36955	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human PEDF in ELISAs.	

For Research Use Only

Applications

Human PEDF Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human PEDF Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human PEDF Concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.2</td><td>0.1</td></tr><tr><td>0.5</td><td>0.2</td></tr><tr><td>1</td><td>0.4</td></tr><tr><td>2</td><td>0.8</td></tr><tr><td>5</td><td>1.5</td></tr><tr><td>10</td><td>3.0</td></tr></tbody></table>	Human PEDF Concentration (ng/mL)	Optical Density	0.1	0.05	0.2	0.1	0.5	0.2	1	0.4	2	0.8	5	1.5	10	3.0
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ELISA Detection	1:1000-1:10000	Human PEDF 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 member of the serpin family , although it does not display the serine protease inhibitory activity shown by many of the other serpin family members. The encoded protein is secreted and strongly inhibits angiogenesis. In addition , this protein is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells.