

## Human LRG1 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0514	<b>Applications</b>	ELISA
<b>Synonyms</b>	HMFT1766;LRG;LRG1;Leucine rich alpha-2-glycoprotein 1;Leucine-rich alpha-2-glycoprotein 1		

### Kit components & Storage

Title	Specifications	Storage
Human LRG1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human LRG1 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.

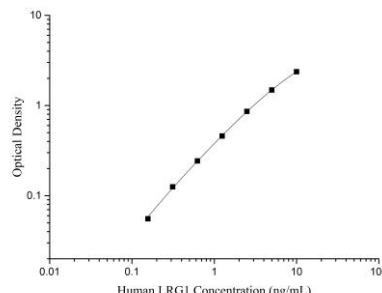
### Product Information

Items		Characteristic (E-KAB-0514)	
		Human LRG1 Capture Antibody	Human LRG1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human LRG1 protien	Recombinant Human LRG1 protien
	Swissprot	P02750	
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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human LRG1 in ELISAs.	

### For Research Use Only

## Applications

Human LRG1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human LRG1 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human LRG1 Concentration (ng/mL)' and ranges from 0.01 to 100. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Human LRG1 and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human LRG1 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.1</td> </tr> <tr> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>0.5</td> <td>0.5</td> </tr> <tr> <td>1</td> <td>1</td> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>5</td> <td>5</td> </tr> <tr> <td>10</td> <td>10</td> </tr> </tbody> </table>	Human LRG1 Concentration (ng/mL)	Optical Density	0.1	0.1	0.2	0.2	0.5	0.5	1	1	2	2	5	5	10	10
Human LRG1 Concentration (ng/mL)	Optical Density																		
0.1	0.1																		
0.2	0.2																		
0.5	0.5																		
1	1																		
2	2																		
5	5																		
10	10																		
ELISA Detection	1:1000-1:10000	Human LRG1 Detection Antibody (Biotin)																	

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

## Background

The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation.