

Porcine IL-12 p40 Antibody Pair Set

Catalog No.	E-KAB-0620	Applications	ELISA
Synonyms	CLMF2;IL-12 p40;IL-12/IL-23 p40;IL-12B;IL12 p40;IL12B;NKSF2;P40		

Kit components & Storage

Title	Specifications	Storage
Porcine IL-12 p40 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Porcine IL-12 p40 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

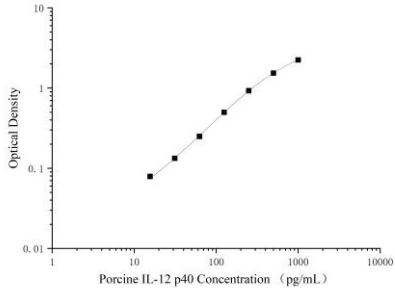
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0620)	
		Porcine IL-12 p40 Capture Antibody	Porcine IL-12 p40 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Porcine IL-12 p40 protien	Recombinant Porcine IL-12 p40 protien
	Swissprot	Q28938 (p40) & Q29053 (p35)	
Product details	Reactivity	Porcine	Porcine
	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 Porcine IL-12 p40 in ELISAs.		

Applications

Porcine IL-12 p40 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4 µg/mL	Porcine IL-12 p40 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Porcine IL-12 p40 Concentration (pg/mL)' and ranges from 1 to 10000. 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 log of concentration and the log of optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Porcine IL-12 p40 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.1</td> </tr> <tr> <td>20</td> <td>0.15</td> </tr> <tr> <td>50</td> <td>0.25</td> </tr> <tr> <td>100</td> <td>0.4</td> </tr> <tr> <td>200</td> <td>0.6</td> </tr> <tr> <td>500</td> <td>1.0</td> </tr> <tr> <td>1000</td> <td>1.5</td> </tr> <tr> <td>2000</td> <td>2.5</td> </tr> <tr> <td>5000</td> <td>4.0</td> </tr> </tbody> </table>	Porcine IL-12 p40 Concentration (pg/mL)	Optical Density	10	0.1	20	0.15	50	0.25	100	0.4	200	0.6	500	1.0	1000	1.5	2000	2.5	5000	4.0
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ELISA Detection	1:1000-1:10000	Porcine IL-12 p40 Detection Antibody (Biotin)																					

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

Background

Associates with IL23A to form the IL-23 interleukin , a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R , activates the Jak-Stat signaling cascade , stimulates memory rather than naive T-cells and promotes production of pro-inflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.