

## Human MIP-3 $\alpha$ Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0703	<b>Applications</b>	ELISA
<b>Synonyms</b>	CCL20;CKb4;LARC;MIP3A;SCYA20;ST38		

### Kit components & Storage

Title	Specifications	Storage
Human MIP-3 $\alpha$ Capture Antibody	1 vial, 100 $\mu$ g	Store at -20°C. Avoid freeze / thaw cycles.
Human MIP-3 $\alpha$ Detection Antibody (Biotin)	1 vial, 50 $\mu$ L	Store at -20°C. Avoid freeze / thaw cycles.

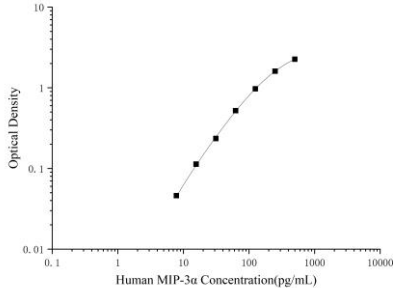
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0703)	
		Human MIP-3 $\alpha$ Capture Antibody	Human MIP-3 $\alpha$ Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MIP-3 $\alpha$ protein	Recombinant Human MIP-3 $\alpha$ protein
	Swissprot	P78556	
Product details	Reactivity	Human	Human
	Host	Goat	mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Protein A
	Specificity	Detects Human MIP-3 $\alpha$ in ELISAs.	

## Applications

Human MIP-3 $\alpha$  Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 $\mu$ g/mL	Human MIP-3 $\alpha$ Capture Antibody	
ELISA Detection	1:1000-1:10000	Human MIP-3 $\alpha$ Detection Antibody (Biotin)	

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

## Background

CCL20 (MIP-3 $\alpha$ ) belongs to the CC chemokine family. Human CCL20 is a protein of 96 amino acids, which shares the highest homology of 28% amino acid identity with MIP-1 $\beta$  and 64% amino acid sequence identity with the mouse CCL20. CCL20 is produced by activated monocytes, T cells, neutrophils, endothelial cells, epithelial cells and fibroblasts. CCL20 is the ligand for chemokine receptor CCR6, which is expressed on memory T cells, B cells, and immature dendritic cells (DCs). Therefore, it is involved in the regulation of DC trafficking and recruitment and activation of T cells. CCL20 also has potent antimicrobial activity. Upregulation of CCL20 plays important roles in autoimmune pathogenesis of the central nerve system (MS), pathogenesis of encephalomyelitis, psoriasis, rheumatoid arthritis, and inflammatory bowel diseases. CCL20 is also involved in various cancers, such as gastrointestinal cancers, pancreatic cancer, hepatocellular carcinoma, and breast cancer.