Human DEFβ2/DEFB2 Antibody Pair Set

Catalog No. E-KAB-0450 **Applications** ELISA

Synonyms DEFB4A;BD-2;DEFB-2;DEFB102;DEFB4;HBD-2;SAP1;Beta-defensin 2;defensin beta 4A;Beta-defensin 4A;Defensin;beta 2;Skin-antimicrobial peptide 1

Kit components & Storage

Title	Specifications	Storage
Human DEFβ2/DEFB2 Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human DEFβ2/DEFB2 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

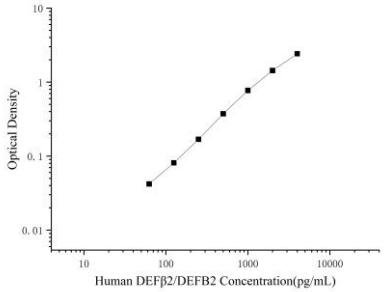
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0450)	
		Human DEFβ2/DEFB2 Capture Antibody	Human DEFβ2/DEFB2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human DEFβ2/DEFB2 protien	Recombinant Human DEFβ2/DEFB2 protien
	Swissprot	O15263	
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 DEFβ2/DEFB2 in ELISAs.	

Applications

Human DEFβ2/DEFB2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human DEFβ2/DEFB2 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human DEFβ2/DEFB2 Detection Antibody (Biotin)	

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

Background

Defensins form a family of antimicrobial and cytotoxic peptides made by neutrophils. Defensins are short , processed peptide molecules that are classified by structure into three groups: alpha-defensins , beta-defensins and theta-defensins. All beta-defensin genes are densely clustered in four to five syntenic chromosomal regions. Chromosome 8p23 contains at least two copies of the duplicated beta-defensin cluster. This duplication results in two identical copies of defensin , beta 104 , DEFB104A and DEFB104B , in head-to-head orientation. This gene , DEFB104A , represents the more centromeric copy.