

## DEFB132 Conjugated Antibody

Catalog No: #C32147



Package Size: #C32147-AF350 100ul #C32147-AF405 100ul #C32147-AF488 100ul  
 #C32147-AF555 100ul #C32147-AF594 100ul #C32147-AF647 100ul  
 #C32147-AF680 100ul #C32147-AF750 100ul #C32147-Biotin 100ul

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## Description

Product Name	DEFB132 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total DEFB132 protein.
Immunogen Description	Recombinant protein of human DEFB132.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	DEFB32;UNQ827
Accession No.	Swiss-Prot#:Q7Z7B7NCBI Gene ID:400830
Uniprot	Q7Z7B7
GeneID	400830;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	11
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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Antibodies were purified by affinity purification using immunogen.

## Background

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$\alpha$ -defensins (also designated BDs, or hBDs in human) are small cationic peptides with broad-spectrum antimicrobial activity against a variety of enveloped viruses, fungi and bacteria. Produced in mucosal epithelia and neutrophils of several species,  $\alpha$ -defensins are developmentally regulated. The family of  $\alpha$ -defensin proteins share a common defensin-motif that is characterized by multiple cysteine residues and a highly conserved tertiary structure. Besides playing a significant role in host immune defense, many  $\alpha$ -defensins also are involved in sperm maturation and capacitation.  $\alpha$ -defensin 32, also known as  $\alpha$ -defensin 132, is a 95 amino acid secreted protein that most likely contains a signal peptide sequence that requires cleavage by proteolytic enzymes in order to become biologically active.

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Note: This product is for in vitro research use only