



# Magic™ Mouse Anti-Human DEFA1

## Monoclonal antibody, clone IB12 (DMAB-CS24586)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

Specificity	Human DEFA1
Target	Human DEFA1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	IB12
Conjugate	Unconjugated
Applications	ELISA(Det), LFIA, CLIA, TINIA, POCT We recommend the following antibodies for sandwich immunoassay (Capture - Detection): DMAB-CS24585 - DMAB-CS24586
Format	Liquid
Size	1 mg
Buffer	Supplied as a 0.2 µM filtered solution of PBS, PH7.4.
Preservative	None
Storage	Store at -20°C to -80°C under sterile conditions. Avoid repeated freeze-thaw cycles.

# BACKGROUND

Introduction	Defensins are a family of microbicidal and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. Several alpha defensin genes appear to be clustered on chromosome 8. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. It differs from defensin, alpha 3 by only one amino acid.
Keywords	DEFA1; DEF1; DEFA2, HNP-1; HP-1; HP1; MRS; alpha defensin 1; α-defensin 1; neutrophil defensin 1