


Product datasheet

Anti-alpha Defensin 5 antibody [8C8] ab90802

★★★★★ [2 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Anti-alpha Defensin 5 antibody [8C8]
Description	Mouse monoclonal [8C8] to alpha Defensin 5
Host species	Mouse
Specificity	ab90802 recognizes the propeptide and the partially processed forms (aa 36-94 and 56-94), but it hardly recognizes mature peptide. No cross reactivity with HD6, lysozyme, or sPLA2 has been detected.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	Recombinant fragment corresponding to Human alpha Defensin 5 aa 20-94. Sequence: ESLQERADEATTQKQSGEDNQDLAISFAGNGLSALRTSG SQARATCYCRT GRCATRESLSGVCEISGRLYRLCCR

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituents: PBS, 0.1% BSA
Purity	Protein A purified
Purification notes	ab90802 was filtered through a 0.2 µm filter.

Clonality	Monoclonal
Clone number	8C8
Isotype	IgG2b

Applications

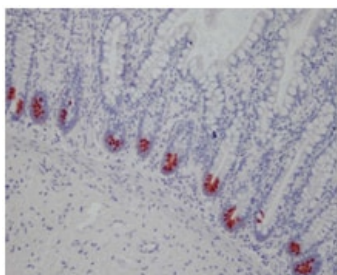
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab90802 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (2)	1/50.

Target

Function	Has antimicrobial activity against Gram-negative and Gram-positive bacteria. Defensins are thought to kill microbes by permeabilizing their plasma membrane. All DEFA5 peptides exert antimicrobial activities, but their potency is affected by peptide processing.
Tissue specificity	Paneth cells of the small intestine (at protein level).
Sequence similarities	Belongs to the alpha-defensin family.
Post-translational modifications	Glycosylated.
Cellular localization	Secreted. Cytoplasmic vesicle > secretory vesicle. Peptides HD5(20-94), HD5(23-94) and HD5(29-94) are found within tissues, HD5(20-94) being the predominant intracellular form. Peptides HD5(56-94) and HD5(63-94) are found in the extracellular milieu, HD5(63-94) being the most abundant form.

Images



ab90802 at 1/50 dilution staining alpha Defensin 5 in human ileus tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin embedded tissue sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Defensin 5 antibody [8C8] (ab90802)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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