



## Rabbit Anti-Defensin alpha 5 antibody

SL10577R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | Defensin alpha 5  |
| <b>Chinese Name:</b>          | 防御素 $\alpha$ 5抗体  |
| <b>Alias:</b>                 | alpha 5; alpha 5 Defensin; DEF5; DEF5_HUMAN; DEF5_RAT; Defa; Defa29; DEFA5; Defcr29; Defcr5; Defensin 5; Defensin alpha-5; Defensin alpha 5 Paneth cell specific; Defensin alpha 5 preproprotein; Defensin; Enteric defensin; HD 5; HD5; HD5(20-94); HD5(63-94); MGC129728; RD 5.   |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Rat,  |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b>      | 4.1kDa  |
| <b>Cellular localization:</b> | Secretory protein   |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human Defensin alpha 5:31-94/94   |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | 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.  |

**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.

**Subcellular Location:**

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.

**Tissue Specificity:**

Paneth cells of the small intestine (at protein level).

**Post-translational modifications:**

Glycosylated.

**Similarity:**

Belongs to the alpha-defensin family.

**SWISS:**

Q01523

**Gene ID:**

1670

**Database links:**

[Entrez Gene: 1670](#)Human

[Omid: 600472](#)Human

[SwissProt: Q01523](#)Human

[Unigene: 655233](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.