

Rabbit Anti-Defensin alpha 5/AF350 Conjugated antibody

SL4313R-AF350

Product Name	Anti-Defensin alpha 5/AF350
Chinese Name	AF350 标记的防御素 α 5 抗体
Alias	alpha 5; alpha 5 Defensin; DEF5; DEF5_HUMAN; 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.
Research Area	Cell biology immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	7.8kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Defensin alpha 5
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: 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.

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.