SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-DEFA1/alpha Defensin 1/AF647 Conjugated antibody

Catalog Number: SL1697R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-DEFA1/alpha Defensin 1/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human alpha Defensin 1/3
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human)
Background:	background: Defensins are a group of cyclic peptides containing 29-35 amino acids, which comprise approximately 30% of the total protein content of neutrophil azurophilic granules. Various functions have been reported for the defensins, including antibacterial and antifungal activity and chemotactic activity for monocytes. **Function:** Defensin 1 and defensin 2 have antibacterial, fungicide and antiviral activities. Has antimicrobial activity against Gram-negative and Gram-positive bacteria. Defensins are thought to kill microbes by permeabilizing their plasma membrane. **Subunit:** Dimer. **Subcellular Location:** Secreted. **Post-translational modifications:** ADP-ribosylation drastically reduces cytotoxic and antibacterial activities, and enhances IL8 production. Phosphorylation at Tyr-85 has been found in some cancer cell lines, and interferes with ADP-rybosylation.

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Similarity: Belongs to the alpha-defensin family. **Database links:** **Entrez Gene:** 1667 Human **Entrez Gene:** 1668 Human **Entrez Gene:** 728358 Human **Entrez Gene:** 13216 Mouse Omim: 125220 Human **SwissProt:** P59665 Human **SwissProt:** P59666 Human **SwissProt:** P11477 Mouse **Unigene:** 380781 Human **Unigene:** 654448 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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