

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human α -Defensin 5 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 972207
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human α -Defensin 5 Thr64-Arg94 Accession # Q01523
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

ELISA Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Defensin alpha 5 (DEFA5), also known as human alpha defensin 5 (HD5), is a secreted antimicrobial protein encoded by the DEFA5 gene and a member of the Defensins family. Defensins are thought to kill microbes by permeabilizing their plasma membrane. DEFA5 is expressed in Paneth cells, which are secretory epithelial cells in the small intestine. Unlike other defensins, DEFA5 is stored in secretory vesicles as a propeptide, and is processed into different peptides with different potency and localization.

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