

DEFA1 / Defensin Alpha 1 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS14258**Specification**

DEFA1 / Defensin Alpha 1 Antibody (Internal) - Product Information

Application	WB, IHC
Primary Accession	P59665
Reactivity	Human
Host	Goat
Clonality	Polyclonal

DEFA1 / Defensin Alpha 1 Antibody (Internal) - Additional Information**Gene ID** 1667;728358**Other Names**

Neutrophil defensin 1, Defensin, alpha 1, HNP-1, HP-1, HP1, HP 1-56, Neutrophil defensin 2, HNP-2, HP-2, HP2, DEFA1, DEF1, DEFA2, MRS

Target/Specificity

Human DEFA1. This antibody is expected to equally recognize DEFA1 precursor and DEFA3 precursor.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

DEFA1 / Defensin Alpha 1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

DEFA1 / Defensin Alpha 1 Antibody (Internal) - Protein Information**Name** DEFA1**Synonyms** DEF1, DEFA2, MRS**Function**

Effector molecule of the innate immune system that acts via antibiotic-like properties against a broad array of infectious agents including bacteria, fungi, and viruses or by promoting the activation and maturation of some APCs (PubMed:15616305, PubMed:17142766, PubMed:20220136, PubMed:24236072). Interacts with the essential precursor of cell wall synthesis lipid II to inhibit bacterial cell wall synthesis (PubMed:20214904). Inhibits adenovirus infection via inhibition of viral disassembly at the vertex region, thereby

restricting the release of internal capsid protein pVI, which is required for endosomal membrane penetration during cell entry (PubMed:18191790). In addition, interaction with adenovirus capsid leads to the redirection of viral particles to TLR4 thereby promoting a NLRP3-mediated inflammasome response and interleukin 1-beta (IL-1beta) release (PubMed:35080426). Induces the production of proinflammatory cytokines including type I interferon (IFN) in plasmacytoid dendritic cells (pDCs) by triggering the degradation of NFkBIA and nuclear translocation of IRF1, both of which are required for activation of pDCs (PubMed:27031443).

Cellular Location

Secreted.

Volume

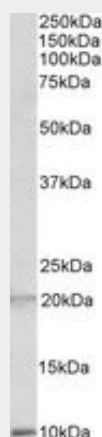
50 µl

DEFA1 / Defensin Alpha 1 Antibody (Internal) - Protocols

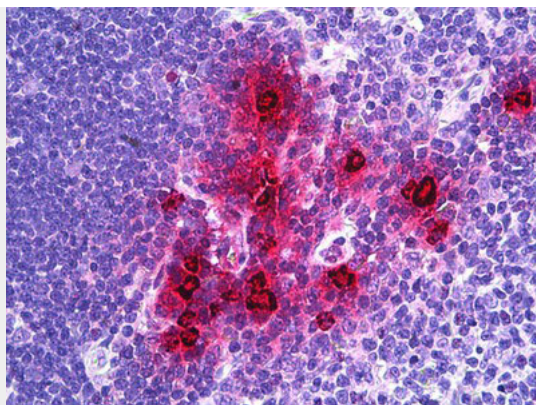
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DEFA1 / Defensin Alpha 1 Antibody (Internal) - Images



DEFA1 antibody (2 ug/ml) staining of Human Spleen lysate (35 ug protein/ml in RIPA buffer).



Anti-DEFA1 / NP-1 antibody IHC of human thymus, myeloid cells.