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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Tritrpticin [6C6D7] Bulk Size Ab03999-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 6C6D7

Alternative Name(s) of Target: C6; Prophenin and tritrpticin precursor

UniProt Accession Number of Target Protein: P51524

Published Application(s): ELISA

Published Species Reactivity: Pig

Immunogen: The original antibody was generated by immunizing female BALB/c mice of 6-8 weeks of age with 200 µg of K-tritrpticin-diphtheria toxoid conjugate emulsified with equal volume of complete Freund's adjuvant.

Specificity: This antibody binds tritrpticin (VRRFPWWPFLRR), which is a member of the cathelicidin family, a 13mer tryptophan-rich group of diverse cationic antimicrobial peptides found in neutrophil granules. It has a broad spectrum activity against a range of microorganisms, fungi, and protozoa.

Application Notes: The binding characterization of this antibody was done using ELISA. In an indirect-binding ELISA where the peptides were directly immobilized on to the ELISA plate, mAb 6C6D7 could bind to tritrpticin and its N-terminal deleted antibacterial analogs at nanomolar concentrations. The binding affinity of this antibody to K-tritrpticin was analyzed using surface plasmon resonance and it was reported to be $K_d = 350$ nM. The binding of 6C6D7 to tritrpticin is characterized by negligible change in ΔG_{eq} with respect to temperature that suggests that the antibody does not undergo any major conformational alteration during the binding of peptide antigen. This antibody was also used to bind tritripticin and related peptides to further analyze their anti-microbial activity (PMID: 24086578).

Antibody First Published in: Sharma et al. Putative bioactive motif of tritrpticin revealed by an antibody with biological receptor-like properties. PLoS One. 2013 Sep 24;8(9):e75582. [PMID:24086578](#)

Note on publication: Describes the generation of this antibody to study the mechanism of action of this antimicrobial peptide.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.