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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-15-acetyl-deoxynivalenol [NAT-267] Standard Size Ab02929-1.159

This chimeric mouse antibody was made using the variable domain sequences of the original VHH format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG1-Fc fusion

Clone Number: NAT-267

Alternative Name(s) of Target: 15-AcDON; DON; Mycotoxin; Deoxynivalenol; Vomitoxin, Fusarium mycotoxin; mNAT-267; NAT-267; ChEBI: 10022

UniProt Accession Number of Target Protein:

Published Application(s): SPR, ELISA

Published Species Reactivity: Fusarium species

Immunogen: The original antibody was generated by immunization of a llama (Llama glama) with the protein conjugate 15-DON-BSA in a TiterMax Classic adjuvant.

Specificity: This antibody is specific for mycotoxin 15-acetyldeoxynivalenol (15-AcDON). 15-Acetyldeoxynivalenol belongs to the class of type B trichothecene mycotoxins, generated by several Fusarium fungi. Deoxynivalenol (DON), along with 3-acetyl-deoxynivalenol (3-ADON) and 15-acetyldeoxynivalenol (15-ADON), occur in grains and cereal products and is often hazardous to humans and livestock.

Application Notes: This antibody can bind 15-AcDON in a competitive direct enzyme-linked immunosorbent assay (CD-ELISA) and fluorescence polarization assay (FPA). This antibody does not cross react with DON; 3-acetyldeoxynivalenol (3-AcDON); neosolaniol (NEO); diacetoxyscirpenol (DAS); and T-2 toxin. Surface plasmon resonance (SPR) analysis of soluble NAT-267 binding kinetics to immobilized 15-DON-Horse Radish Peroxidase (HRP) indicated a dissociation constant K_D of 5µM (PMID: 18632156).

Antibody First Published in: Doyle et al. Cloning, expression, and characterization of a single-domain antibody fragment with affinity for 15-acetyl-deoxynivalenol. Mol Immunol. 2008 Aug;45(14):3703-13.

[PMID:18632156](#)

Note on publication: Describes the generation of a llama single-domain antibody fragment specific to the mycotoxin 15-acetyldeoxynivalenol.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.