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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Ricin [LR12D] Bulk Size Ab02811-23.159-BT

This chimeric rabbit 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: Rabbit IgG-Fc fusion

Clone Number: LR12D

Alternative Name(s) of Target: rRNA N-glycosidase; Ricin B chain

UniProt Accession Number of Target Protein: P02879

Published Application(s): ELISA

Published Species Reactivity: Ricinus communis (Castor bean)

Immunogen: The original antibody was isolated from a non-immune semisynthetic llama library constructed from blood samples (6 ml) collected from the left jugular vein of three research naïve mature llamas. The specific clones were selected using Luminex xMAP technology in addition to ELISA.

Specificity: This antibody binds ricin, specifically the B chain of ricin.

Application Notes: The binding specificity of this antibody towards ricin was checked using ELISA. The original VHH version of this antibody is reported to bind ricin and ricin B chain with a dissociation constant of 12nM and 10nM respectively. This antibody can be used as a capture molecule in sandwich immunoassays. (PMID:18251258).

Antibody First Published in: Anderson et al. Multiplexed fluid array screening of phage displayed anti-ricin single domain antibodies for rapid assessment of specificity. *Biotechniques*. 2007 Dec;43(6):806-11. PMID:18251258

Note on publication: A semisynthetic llama library was constructed from non-immune llamas and binders specific for ricin toxin were selected using Luminex xMAP technology and ELISA.

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.