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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Jo-1 [5B5] Standard Size Ab03409-23.0

This full-length chimeric rabbit antibody was made using the variable domain sequences of the original Chicken scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: 5B5

Alternative Name(s) of Target: histidyl tRNA synthetase; Histidine--tRNA ligase, cytoplasmic; HisRS

UniProt Accession Number of Target Protein: P12081

Published Application(s): WB, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing a barnevelder chicken with an antibody antigen cocktail comprising recombinant purified human antigens annexin XI, CENP-B, Topo, Jo-1, Ro60, Rpp38 and U1A in complete Freund's adjuvant. B cells that were harvested from the bone marrow and peripheral blood lymphocytes of immunized chickens was used to generate recombinant scFv phage display libraries. The specific clone was identified by panning the library against specific antigen.

Specificity: The antibody is specific for Jo-1. Histidyl-tRNA synthetase is a member of the aminoacyl-tRNA synthetase family, it catalyzes the ATP-dependent ligation of histidine to the 3'-end of its cognate tRNA, via the formation of an aminoacyl-adenylate intermediate (His-AMP). Jo-1 represents a key autoantibody target in the anti-synthetase syndrome that is marked by myositis as well as extra-muscular organ complications including interstitial lung disease (ILD).

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody detected Jo-1 by western blot analysis (Hof et al., 2008; PMID: 18062792).

Antibody First Published in: Hof et al. Multiple-antigen immunization of chickens facilitates the generation of recombinant antibodies to autoantigens Clin Exp Immunol. 2008 Feb;151(2):367-77.

[PMID:18062792](#)

Note on publication: Describes the generation of chicked antibodies against various human autoantigens.

Product Form

Size: 200 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.