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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-mCherry [LAM-4] Standard Size Ab03476-23.159

Isotype and Format: Rabbit IgG-Fc fusion

Clone Number: LAM-4

Alternative Name(s) of Target: mCh; RFP; Fluorescent protein raspberry; Red fluorescent proteins; MCherry fluorescent protein; DsRed; RFP-RANbody-4; LaM4; RFP nanobody; RNb

UniProt Accession Number of Target Protein: Q5S3G8; X5DSL3

Published Application(s): ELISA, IF, IHC

Published Species Reactivity: Anaplasma marginale, Discosoma sp. LW-2004

Immunogen: The original antibody was generated by immunization of Llama glama with mCherry fluorescent protein. A VHH cDNA library was generated by high-throughput DNA sequencing of a marrow lymphocyte from an immunized llama. Later on this was combined with mass spectrometric (MS) identification of high affinity VHH regions derived from serum of the same animal.

Specificity: This antibody binds mCherry and can also bind DsRed.

Application Notes: This antibody can be used to detect mCherry fluorescent protein and DsRed in an ELISA. This antibody binds immobilized mCherry with a binding affinity of $K_d = 0.18$ nM. The Alexa Fluor® 488 conjugated version of this antibody was used to immunofluorescently stain *S. cerevisiae* expressing mCherry-tagged histone H2B (PMID: 25362362). This antibody was used for the visualization and manipulation of red fluorescent labelled proteins in live cells by using nanobodies targeting fluorescent protein tags (PMID: 31122229).

Antibody First Published in: Fridy et al. A robust pipeline for rapid production of versatile nanobody repertoires. Nat Methods. 2014 Dec; 11(12): 1253-1260. [PMID:25362362](#)

Note on publication: Describes the generation of large repertoires of readily expressible recombinant nanobodies with high affinities and specificities against a given antigen.

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.