



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-mCherry [LAM-4] Bulk Size Ab03476-1.159-BT

**Isotype and Format:** Mouse IgG1-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:** 500 µg 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.