

Anti-mCherry [LAM-2] Bulk size M Ab03477-1.159-BS

Isotype and Format: Mouse IgG1-Fc fusion

Clone Number: LAM-2

Alternative Name(s) of Target: mCh; RFP; Fluorescent protein raspberry; Red fluorescent protein; RFP-RANbody-2; LaM2

UniProt Accession Number of Target Protein: Q5S3G8

Published Application(s): ELISA, IF

Published Species Reactivity: 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 specifically binds mCherry fluorescent protein.

Application Notes: This antibody is specific for mCherry and does not cross react with DsRed or TdTomato. This antibody can be used to detect mCherry fluorescent protein in an ELISA. This antibody binds immobilized mCherry with a binding affinity of $K_d = 0.49$ nM (PMID: 25362362).

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: 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: See vial label

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.