Anti-mCherry [LAM-6] Standard Size Ab03478-1.159

Isotype and Format: Mouse IgG1-Fc fusion
Clone Number: LAM-6
Alternative Name(s) of Target: mCh; RFP; Fluorescent protein raspberry; Red fluorescent protein; MCherry fluorescent protein; DsRed; tdTomato; LAM6
UniProt Accession Number of Target Protein: Q5S3G8; X5DSL3
Published Application(s): ELISA, IF
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 and tdTomato, which is a tandem dimer of mCherry.
Application Notes: This antibody reacts with mCherry and also recognizes dsRed2, and tdTomato. This antibody binds immobilized mCherry with a binding affinity of Kd= 0.26 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: 100 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
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.