

Anti-sfGFP [NbsfGFP01] Bulk size M Ab03480-1.159-BS

Isotype and Format: Mouse IgG1-Fc fusion

Clone Number: NbsfGFP01

Alternative Name(s) of Target: Superfolder green fluorescent protein; GFP; Green fluorescent protein

UniProt Accession Number of Target Protein: P42212

Published Application(s): WB, ELISA

Published Species Reactivity: Aequorea victoria (Water jellyfish, Mesonema victoria)

Immunogen: The original antibody was generated by immunizing an adult one-humped camel with recombinant superfolder green fluorescent protein (sfGFP). An immune nanobody library was generated from the peripheral blood of the immunized camel. The particular antibody was isolated by panning the library against sfGFP.

Specificity: This antibody is specific for superfolder green fluorescent protein which is a better-folding GFP version, with the following mutations: S30R, Y39N, F64L, S65T, F99S, N105T, Y145F, M153T, V163A, I171V and A206V.

Application Notes: The binding specificity of this nanobody towards sfGFP was determined using ELISA. This antibody can also be used of the identification of sfGFP via a western blot (PMID: 25085037).

Antibody First Published in: Twair et al. Characterization of camel nanobodies specific for superfolder GFP fusion proteins. Mol Biol Rep. 2014 Oct;41(10):6887-98. [PMID:25085037](#)

Note on publication: Describes the generation of camelid nanobodies against superfolder GFP.

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.