

Anti-IgG2a Fc [TP1129] Standard Size Ab01453-23.9

This chimeric rabbit antibody was made using a variable domain sequence of the original VHH format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG-Fc fusion, His-Tagged

Clone Number: TP1129

Alternative Name(s) of Target: immunoglobulin G2a fragment crystallizable region

UniProt Accession Number of Target Protein:

Published Application(s): dot blot assay, ICC, IF

Published Species Reactivity: Mouse

Immunogen: This antibody was raised by immunising alpacas with 1.0 mg polyclonal mouse IgG. Subsequently, the generation of nanobody immune libraries and the selection of antigen-specific nanobodies by phage display from these libraries were performed.

Specificity: This antibody recognises Fc region of mouse IgG2a.

Application Notes: TP1129 can be used as an efficient secondary nanobody in the indirect immunofluorescence. It was utilised to detect IgG2a primary antibodies alongside another nanobody giving strong, clean signal without any background staining (Pleiner et al., 2018).

Antibody First Published in: Pleiner et al. A toolbox of anti-mouse and anti-rabbit IgG secondary nanobodies. J Cell Biol. 2018 Mar 5;217(3):1143-1154. doi: 10.1083/jcb.201709115. Epub 2017 Dec 20.

[PMID:29263082](#)

Note on publication: The article describes the generation and characterisation of this nanobody.

Product Form

Size: 200 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.