

## Anti-IgG1 (hinge) [TP885] Standard Size Ab01446-34.11

**Isotype and Format:** Camelid VHH, His-Tagged

**Clone Number:** TP885

**Alternative Name(s) of Target:** immunoglobulin G1

**UniProt Accession Number of Target Protein:**

**Published Application(s):** dot blot assay, IP

**Published Species Reactivity:** Rat, 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 mouse and rat IgG1, with a proposed epitope located at the hinge region.

**Application Notes:** TP885 nanobody can be used for the purification of antigens or antigen complexes previously bound to a primary antibody, as it successfully isolated mouse monoclonal IgG1 from hybridoma cell culture supernatant and then released it under physiological conditions using SUMOStar protease cleavage (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:** 50 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.