



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Giantin [TA10] Bulk Size Ab04207-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human scFv format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Lambda

**Clone Number:** TA10

**Alternative Name(s) of Target:** Golgin subfamily B member 1; 372 kDa Golgi complex-associated protein; GCP372; Macrogolgin

**UniProt Accession Number of Target Protein:**

**Published Application(s):** in vivo, WB, IF

**Published Species Reactivity:** Rat, Human

**Immunogen:** The original antibody was generated via phage display from the Griffin.1 library by screening against Rat liver Golgi (RLG) complexes derived from rat liver.

**Specificity:** This antibody is specific for a 79 amino acid long region between amino acids 1462 to 1540 of the full human sequence (corresponding to amino acids 1399 to 1478 in the rat homologue) in Giantin, a Golgi matrix protein.

**Application Notes:** The original format of this antibody (scFv) was successfully used in a Western blot and for *in vitro* immunofluorescence staining of Giantin in HeLa cells. siRNA knock-down of Giantin reduced TA10 staining, confirming its specificity. Furthermore, an *in vivo* expressed TA10-GFP construct successfully stained HeLa cells (Nizak et al., 2003; PMID: 14617357). The scFv-Fc fusion version of this antibody — hTA10 — detected Giantin when cells were fixed by paraformaldehyde (Moutel et al., 2009; PMID: 19245715). Precise characterization of the TA10 target was achieved; a region of 79 amino acids, representing less than 2.5% of the entire protein, was determined as its binding site (Vielemeyer et al., 2010; PMID: 20727208).

**Antibody First Published in:** Nizak et al. Recombinant antibodies against subcellular fractions used to track endogenous Golgi protein dynamics in vivo Traffic. 2003 Nov;4(11):739-53. doi: 10.1034/j.1600-0854.2003.00132.x [PMID:14617357](#)

**Note on publication:** The original publication demonstrates the use of recombinant antibodies selected through phage display against subcellular fractions.

## 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:** 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.