SZABO SCANDIC

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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

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Anti-Amyloid beta [scFv59] Bulk Size Ab04214-23.0-BT

Isotype and Format: Rabbit IgG, Lambda
Clone Number: scFv59
Alternative Name(s) of Target: Aβ; Abeta; Amyloid-beta precursor protein; APP; ABPP; APPI; Alzheimer disease amyloid A4 protein homolog; Alzheimer disease amyloid protein; Amyloid precursor protein; Amyloid-beta (A4) precursor protein; Amyloid-beta A4 protein; Cerebral vascular amyloid peptide (CVAP); PreA4; Protease nexin-II (PN-II)
UniProt Accession Number of Target Protein: P05067
Published Application(s): in vivo, MTT assay, ThT assay, WB, ELISA, IHC
Published Species Reactivity: Human, Mouse
Immunogen: The original antibody was isolated from a human scFv phage library by screening against Abeta1-42.
Specificity: This antibody is specific for oligomeric as well as fibrillar/aggregated Aβ.
Application Notes: The scFv version of this antibody demonstrated the highest ELISA titer for Aβimmunoreactivity against Aβ1–42, and its specificity for oligomeric and fibrillar/aggregated Aβ was demonstrated in a WB. The scFv version of this antibody reacted with amyloid beta deposits in brain sections from a Tg2576 mouse and in skeletal muscle sections from a Tg13592 mouse, as observed via IHC. The scFv version of this antibody was used to inhibit the formation of Aβ fibril formation *in vitro* as demonstrated in a Thioflavin T assay. This inhibition contributed to the amelioration of Aβ cytotoxicity as was shown *in vitro* in an MTT assay; cell viability increased from 45.2 ± 0.78% to 58.8 ± 5.45% (P = 0.069) in the presence of scFv59. Furthermore, Tg2576 mice subjected to scFv59 injection in the hippocampus and cortex had fewer diffuse and fibrillar Aβ deposits in those areas than Tg2576 mice injected with PBS (Fukuchi et al., 2006; PMID: 16630540). Vascular amyloid was also stained by scFv59 (Fukuchi et al., 2006; PMID: 16766200).
Antibody First Published in: Fukuchi et al. Amelioration of amyloid load by anti-Abeta single-chain antibody in Alzheimer mouse model Biochem Biophys Res Commun. 2006 May 26;344(1):79-86. doi: 10.1016/j.bbrc.2006.03.145 PMID:16630540
Note on publication: The original publication explores the potential of a human single-chain antibody that specifically targets oligomeric Abeta and amyloid plaques in Alzheimer's disease mouse models.

Product Form

Size:

1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4ºC for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. 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.