



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-Butyrylcholinesterase [11D8] Standard Size Ab00765-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** 11D8

**Alternative Name(s) of Target:** BChE

**UniProt Accession Number of Target Protein:** P06276

**Published Application(s):** IP, WB, ELISA, IHC

**Published Species Reactivity:** Human

**Immunogen:** 11D8 was prepared by immunizing BChE -/- mice with sugar-diminished full-length recombinant human BChE (Hrabovska et al. 2010).

**Specificity:** 11D8 binds to both native and denatured human butyrylcholinesterase (HuBChE) with KD ~0.26 nM (determined by ELISA - 0.9 nM by SPR). Binding of 11D8 excludes binding of mAb B2 18-5, suggesting that they bind to the same/similar epitope on huBChE. The antibody also binds to human albumin, which can compete with huBChE for binding. huBChE in plasma is a serine esterase that catalyzes the hydrolysis of esters including aspirin, cocaine, heroin, and octanoyl ghrelin.

**Application Notes:** The percent active HuBChE bound to 11D8 in ELISAs is highest when the volume of plasma was lowest. 11D8 also binds to human albumin and so 11D8 is less suitable for immunopurification of huBChE from plasma compared to e.g. B2 18-5.

**Antibody First Published in:** Peng et al. Comparison of 5 monoclonal antibodies for immunopurification of human butyrylcholinesterase on Dynabeads: KD values, binding pairs, and amino acid sequences. Chem Biol Interact. 2015 Oct 5;240:336-45 [PMID:26343001](#)

**Note on publication:** Describes the characterization and comparison of 5 monoclonal antibodies for their ability to purify huBChE on Dynabeads.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**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.