

Anti-SERT [8B6] Standard Size Ab00943-13.12

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG4-S228P, Kappa

Clone Number: 8B6

Alternative Name(s) of Target: SLC6A4; Sodium-dependent serotonin transporter; 5HT transporter; Solute carrier family 6 member 4; HTT; SLC6A4

UniProt Accession Number of Target Protein: P31645

Published Application(s): crystallisation

Published Species Reactivity: Human

Immunogen: 8B6 was produced by immunising SERT KO mice with residues 73-616 of wildtype human SERT. Hybridomas were generated using established protocols.

Specificity: The 8B6 Fab binds to extracellular loops 2 and 4 of hSERT, as shown by crystallography (Coleman et al, 2016).

Application Notes: The 8B6 Fab fragment was crystallised in complex with human SERT to aid structure determination (Coleman et al, 2016).

Antibody First Published in: Coleman et al. Thermostabilization, Expression, Purification, and Crystallization of the Human Serotonin Transporter Bound to S-citalopram J Vis Exp. 2016; (117): 54792. [PMID:27929454](#)

Note on publication: Describes strategies by which the human serotonin transporter was modified and crystallised. mAb 8B6 was generated using an outlined experimental rationale.

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.