

Anti-CNPS [3E5] Bulk Size Ab00354-5.3-BT

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

Isotype and Format: Mouse IgG3, Fc Silent™, Kappa

Clone Number: 3E5

Alternative Name(s) of Target: CNPS; Cryptococcus neoformans capsular polysaccharide; glucuronoxylomannan

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Cryptococcus neoformans

Immunogen: A covalent serotype A Glucuronoxylomannan (GXM) -tetanus toxoid conjugate (GXM-TT).

Specificity: Specifically binds to CNPS.

Application Notes: This antibody binds to Glucuronoxylomannan (GXM), which is the main constituent of the C. neoformans capsule and modulates the inflammatory response of monocytes. In a later study conducted by Yuan et al. 1998 (PMID: 9488395), it was shown that switching the original murine IgG3 antibody to other IgG subtypes, in particular IgG2A, significantly prolonged animal survival in an infection model.

Antibody First Published in: Casadevall et al. 1992 Antibodies elicited by a Cryptococcus neoformans-tetanus toxoid conjugate vaccine have the same specificity as those elicited in infection. Journal of Infectious Diseases 1992; 165(6):1086-1093 [PMID:1583327](#)

Note on publication: Describes the generation of nine monoclonal antibodies from the spleen of a GXM-TT-immunized mouse.

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.