

## Anti-CNPS [3E5] Bulk Size Ab00354-10.3-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 chimeric human antibody was made using the variable domain sequences of the original mouse IgG3 format for improved compatibility with existing reagents, assays and techniques.

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