

## Anti-CNPS [3E5] Standard Size Ab00354-5.0

**Isotype and Format:** Mouse IgG3, 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:** 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.