

## Anti-Gal/GalNAc Lectin from *E. histolytica* [CD33-LA22] Standard Size Ab00446-10.3

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

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

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** CD33-LA22

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

**UniProt Accession Number of Target Protein:** C4LTMO

**Published Application(s):** Blocking, SPR, ELISA

**Published Species Reactivity:** *Entamoeba histolytica*

**Immunogen:** Peripheral Lymphocytes of an asymptomatic *E. histolytica* cyst passer.

**Specificity:** The antibody binds with a K<sub>d</sub> of 3.51 nM.

**Application Notes:** This antibody binds to *E. histolytica* Gal/GalNAc lectin, which is a multifunctional virulence factor which is involved in adherence, cytolysis, invasion, resistance to lysis by complement and encystment. The antibody blocks the lectin.

**Antibody First Published in:** Tachibana et al. VH3 gene usage in neutralizing human antibodies specific for the *Entamoeba histolytica* Gal/GalNAc lectin heavy subunit. *Infection and Immunology* 2003; 71(8):4313-4319 [PMID:12874307](#)

**Note on publication:** Describes the generation of novel antibodies against amoeban antigens and shuffling of heavy- and light chains to optimise antigen-binding affinities.

## 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.