

## Anti-Gal/GalNAc Lectin from *E. histolytica* [CD33-LA22] Standard Size Ab00446-10.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Human IgG1 sequence with a short dimerization domain to improve stability and a his tag.

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 F(ab)2, AbFab2™ His-Tagged, 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 Kd 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:** 100 µg Purified antibody.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**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.