

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.