

Peptidoglycan antibody [3F6B3 (10H6)]

Cat. No. GTX39437

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	IHC-P, IHC-Fr, ELISA, IHC
Reactivity	E. coli, Bacteria

References (4)

Package

100 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
IHC-P	Assay dependent
IHC-Fr	Assay dependent
ELISA	Assay dependent
IHC	Assay dependent

Not tested in other applications.

Product Note

This antibody is specific for the 3D polymer complex structure of peptidoglycan (PG).

In a competitive immunoassay format, several compounds were found to be ineffective as inhibitors; muramyl dipeptide, N-acetylglucosamine, chitin, and acid hydrolyzed chitin.

The epitope appears to consist of discontinuous glycan and/or amino acid residues.

Properties

Form	Liquid
Buffer	Ascites
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	This antibody was raised against insoluble peptidoglycan obtained by TCA-heat and ethanol extraction of Streptococcus mutans BHT cells.
Conjugation	Unconjugated



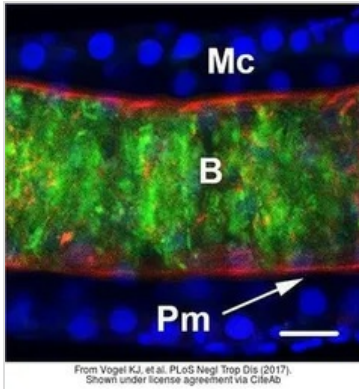
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX39437 IHC Image**

The data was published in the journal PLoS Negl Trop Dis in 2017. [PMID: 28060822](https://pubmed.ncbi.nlm.nih.gov/28060822/)



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