

Product datasheet

Anti-E. coli heat labile toxin B antibody [BB12] ab37204

1 References

概述

产品名称	Anti-E. coli heat labile toxin B抗体[BB12]
描述	小鼠单克隆抗体[BB12] to E. coli heat labile toxin B
宿主	Mouse
特异性	Escherichia coli heat-labile enterotoxin B-chain.
经测试应用	适用于: ELISA, WB
种属反应性	与反应: Escherichia coli
免疫原	Recombinant Beta-chain of E. coli heat-labile enterotoxin.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
克隆编号	BB12
同种型	IgG2b

应用

Our [Abpromise guarantee](#) covers the use of **ab37204** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		Use at an assay dependent dilution.
WB		Use at an assay dependent dilution. Predicted molecular weight: 14 kDa.

靶标

相关性

Escherichia coli heat-labile enterotoxin (LT) is the causative agent of traveller's diarrhoea, and it is also responsible for the deaths of hundreds of thousands of children per year in developing countries. LT is highly homologous in sequence, structure and function to cholera toxin (CT). Both toxins attack intestinal epithelial cells via specific binding to the branched pentasaccharide of ganglioside GM1 at the cell surface. LT is a plasmid-encoded, high molecular weight toxin, the crystalline structure of which revealed that it is composed of one A subunit (LTA) (27 kDa) and five non-covalently associated B subunits (LTB) (11.6 kDa each) forming a ring-like pentamer. The biological activity of the toxin is produced by the A chain, which activates intracellular adenylyl cyclase. The B chain has a membrane binding function. A receptor-binding antagonist which blocked the interaction of LT and CT with cell surface GM1 would potentially constitute a prophylactic drug conferring protection both against the severe effects of cholera itself and against the milder but more common disease caused by LT.

细胞定位

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