

Product datasheet

Anti-TLR4/MD2 Complex antibody [7E3] ab105950

概述

产品名称	Anti-TLR4/MD2 Complex抗体[7E3]
描述	小鼠单克隆抗体[7E3] to TLR4/MD2 Complex
特异性	ab105950 reacts with the TLR4/MD2 complex and is able to inhibit the biological activity of the TLR4/MD2 complex.
经测试应用	适用于: Functional Studies, Flow Cyt
种属反应性	与反应: Human
免疫原	TLR4/MD2 expressing CHO cells/chimeric TLR4/MD2 fusion protein.

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: None Constituents: 0.1% BSA, PBS
纯度	Protein G purified
纯化说明	0.2 µm filtered antibody solution
克隆	单克隆
克隆编号	7E3
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab105950** 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
Functional Studies		Use at an assay dependent concentration.
Flow Cyt		1/50. ab170190 -Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	Cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MYD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Also involved in LPS-independent inflammatory responses triggered by Ni(2+). These responses require non-conserved histidines and are, therefore, species-specific.
组织特异性	Highly expressed in placenta, spleen and peripheral blood leukocytes. Detected in monocytes, macrophages, dendritic cells and several types of T-cells.
疾病相关	Genetic variation in TLR4 is associated with age-related macular degeneration type 10 (ARMD10) [MIM:611488]. ARMD is a multifactorial eye disease and the most common cause of irreversible vision loss in the developed world. In most patients, the disease is manifest as ophthalmoscopically visible yellowish accumulations of protein and lipid that lie beneath the retinal pigment epithelium and within an elastin-containing structure known as Bruch membrane.
序列相似性	Belongs to the Toll-like receptor family. Contains 18 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 TIR domain.
结构域	The TIR domain mediates interaction with NOX4.
翻译后修饰	N-glycosylated. Glycosylation of Asn-526 and Asn-575 seems to be necessary for the expression of TLR4 on the cell surface and the LPS-response. Likewise, mutants lacking two or more of the other N-glycosylation sites were deficient in interaction with LPS.
细胞定位	Membrane.

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