Datasheet for ABIN2191915

anti-Polymyxin B antibody

1 Publication

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Overview

Quantity:	200 µg
Target:	Polymyxin B
Reactivity:	Chemical
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Polymyxin B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Clone:	45
Endotoxin Level:	Low endotoxin level

Target Details

Target:	Polymyxin B
Abstract:	Polymyxin B Products
Target Type:	Chemical
Background:	The monoclonal antibody 45 reacts with Polymyxin B. The antibody binds to free Polymyxin B as well as to Polymyxin B already bound to LPS. The peptide antibiotic Polymyxin B (PMB) binds to bacterial endotoxin (lipopolysaccharide, LPS). The interaction of PMB with LPS involves ionic forces between amino groups in PMB and negatively charged phosphate and carboxyl groups in the lipid A-Kdo region. PMB has relevance for endotoxin research in at least

Target Details

	two ways: first, PMB reacts with LPS of many species regardless of varied serospecificity, and thus it can be used as a general probe for measuring or detecting LPS or lipid A. Second, binding of PMB to LPS may result in neutralization of the detrimental effects of LPS either in vitro or in vivo. Monoclonal antibody 45 enables the possibilities to study quantitatively the interaction of PMB and LPS.

Application Details

Application Notes:	For Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.
Restrictions:	For Research Use only

Handling

Buffer:	1 mL(> 200 µg/mL) culture medium with a low endotoxin level containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Product should be stored at -20 °C Under recommended storage conditions, product is stable for one year.
Expiry Date:	12 months

Publications

Product cited in:	Vetrano, Rescigno, Cera, Correale, Rumio, Doni, Fantini, Sturm, Borroni, Repici, Locati, Malesci, Dejana, Danese: "Unique role of junctional adhesion molecule-a in maintaining mucosal homeostasis in inflammatory bowel disease." in: **Gastroenterology**, Vol. 135, Issue 1, pp. 173-84, (2008) (PubMed). Luo, Zhuo, Fukuhara, Rizzolo: "Effects of culture conditions on heterogeneity and the apical junctional complex of the ARPE-19 cell line." in: **Investigative ophthalmology & visual science**, Vol. 47, Issue 8, pp. 3644-55, (2006) (PubMed).

Faure, Cerini, Paul, Berland, Dignat-George, Brunet: "The uremic solute p-cresol decreases leukocyte transendothelial migration in vitro." in: **International immunology**, Vol. 18, Issue 10, pp. 1453-9, (2006) (PubMed).

Bazzoni, Martinez-Estrada, Orsenigo, Cordenonsi, Citi, Dejana: "Interaction of junctional adhesion molecule with the tight junction components ZO-1, cingulin, and occludin." in: **The Journal of biological chemistry**, Vol. 275, Issue 27, pp. 20520-6, (2000) (PubMed).