Product Datasheet

Bacteroides fragilis LPS Antibody (1265/30)
NB100-64513

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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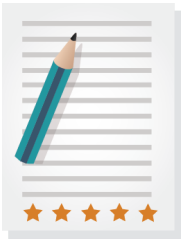

NB100-64513

Bacteroides fragilis LPS Antibody (1265/30)

Product Information	
Unit Size	0.2 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1265/30
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	No buffer

Product Description	
Host	Mouse
Species	Bacteria
Reactivity Notes	Bacteria
Specificity/Sensitivity	In a simple ELISA this is reactive with Bacteroides spp. Reactivities with other organisms have not yet been determined.
Immunogen	LPS from B. fragilis GNABA.

Product Application Details	
Applications	ELISA, Immunoprecipitation, ICC/IF (Negative)
Recommended Dilutions	ELISA 1:100-1:2000, Immunoprecipitation, ICC/IF (Negative)

Publications

Agidi S, Vedachalam S, Mancl K, Lee J. Effectiveness of onsite wastewater reuse system in reducing bacterial contaminants measured with human-specific IMS/ATP and qPCR J Environ Manage 2012-12-14 [PMID: 23254156] (IP, Bacteria)

Procedures

ELISA protocol (NB100-64513)
1. Coating Buffer
Na2CO3, 1.5 g
NaHCO3, 2.93 g
Distilled water, 1 liter, pH to 9.6

2. Blocking buffer
Phosphate Buffered Saline (PBS) containing 1% w/v BSA

3. Wash buffer
Phosphate Buffered Saline containing 0.05% v/v Tween-20

Method

1. Coat microtiter plate wells with 100 ul of the appropriate coating antigen, at a concentration of between 1-10 ug/ml in coating buffer. Cover the plate and incubate overnight at 4C. Wash the plate 3 times in wash buffer.

2. Add 150 ul of blocking solution to each well. Incubate for 60 minutes at 37C. Wash 4 times in wash buffer.

3. Add 100 ul of suitably diluted samples to the relevant wells. Ensure that appropriately diluted standards are included (dilute samples and standards in wash buffer). Samples or standards should preferably be run in triplicate. Incubate for 90 minutes at 37C or overnight at 4C. Wash 3 times in wash buffer.

4. Add 100 ul of biotin-conjugated detection antibody (appropriately diluted in wash buffer) to each well. Incubate for 1 hour at 37C. Wash 3 times in wash buffer.

5. Add 100 ul of enzyme-conjugated streptavidin (appropriately diluted in wash buffer) to each well. Incubate for 60 minutes at 37C. Wash 3 times in wash buffer.

6. Add 100 ul of the appropriate substrate solution1 to each well. Incubate at room temperature (and in the dark if required) for 30 minutes, or until desired color change is attained.

7. Read absorbance values immediately at the appropriate wavelength.

8. OR add 50 ul of stop solution. Gently tap plate to ensure thorough mixing. Measure absorbance within 30 minutes.

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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