Datasheet: 4329-5004

BATCH NUMBER 149240

Description:	MOUSE ANTI ESCHERICHIA COLI J5 LPS
Specificity:	ESCHERICHIA COLI J5 LPS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	GNE13-337.5 (2D7/1)
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			
Immunofluorescence			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Approx. Protein Concentrations	0.5 mg/ml

Immunogen	*E. coli* J5 cells.
RRID	AB_619003
Specificity	**Mouse anti *Escherichia coli* J5 LPS antibody, clone 2D7/1** recognizes *E. coli* J5 LPS. The J5 mutant of *E. coli* lacks the enzyme uridine diphosphate glucose 4-epimerase and therefore produces an incomplete LPS, deficient in galactose and all the sugars distal to the central polymers. The J5 mutant has no O-specific chains and its endotoxin remains as the core LPS containing lipid A, N acetyl glucosamine, 2-keto-3-deoxyoctonate, heptose and glucose (a composition similar to that of the Rc strains of *Salmonella*). The clone 2D7/1 has also been found to react with *K. pneumoniae, S. sonnei* and *S. typhimurium*.
References	1. Yao, Z. *et al.* (2012) Regulation of cell size in response to nutrient availability by fatty acid biosynthesis in *Escherichia coli.* Proc Natl Acad Sci U S A. 109 (38): E2561-8.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at:
Regulatory	

Related Product

Recommended Sec

Goat Anti Mouse IgG I
Goat Anti Mouse IgG (
Goat Anti Mouse IgG (
Goat Anti Mouse IgG (
Rabbit Anti Mouse Ig
Rabbit Anti Mouse Ig
Goat Anti Mouse IgG (
Rabbit Anti Mouse Ig
Goat Anti Mouse IgG (