

Gram-Negative Endotoxin Monoclonal Antibodies

ORDERING INFORMATION

Catalog No.	Clone No.	MAB Subtype	Size	Library Pack No. 100ug/clone
15301	GNE13-337.5	IgG2b*	100ug, 500ug	153101 All 9 clones
15302	GNE13-305.6	IgG2a*	100ug, 500ug	
15303	GNE10-113.3	IgG3**	100ug, 500ug	
15304	GNE11-265.5	IgG3**	100ug, 500ug	
15305	GNE11-270.3.1	IgG2a*	100ug, 500ug	
15306	GNE11-222.4	IgM**	100ug, 500ug	
15307	HEC10-172.5	IgM**	100ug, 500ug	
15308	HEC11-445.2	IgM**	100ug, 500ug	
15309	IVEC9-220.1	IgM**	100ug, 500ug	

Format: * Protein G-purified antibody in PBS, pH 7.4

**PEG-purified antibody in PBS, pH 7.4

BACKGROUND

Endotoxin is the lipopolysaccharide (LPS) complex associated with the outer membrane of Gram-negative bacteria such as *Escherichia coli*, *Salmonella*, *Shigella*, *Pseudomonas*, *Neisseria*, *Haemophilus influenzae*, *Bordetella pertussis* and *Vibrio cholerae*. Toxicity is associated with the lipid component (Lipid A) and immunogenicity is associated with the polysaccharide components. The cell wall antigens (O antigens) of Gram-negative bacteria are components of LPS. LPS elicits a variety of inflammatory responses, and it activates complement by the alternative (properdin) pathway.

SPECIFICATION SUMMARY

Antigen: *E. coli* O:111 B4 J5 cells

Host Species: Mouse

Catalog No.	Reactivity	Reactivity Key
15301	2, 3, 4, 5	2. <i>E. coli</i> J5 LPS
15302	2,4,5	3. <i>Klebsiella pneumoniae</i>
15303	2	4. <i>Shigella sonnei</i>
15304	2,4	5. <i>Salmonella typhimurium</i>
15305	2, 3, 4, 5	6. <i>Enterobacter aerogenes</i>
15306	2, 4, 5, 7, 8, 9, 10	7. <i>Serratia marcescens</i>
15307	2, 3, 7, 8, 9, 11	8. <i>Proteus mirabilis</i>
15308	2, 6, 7, 8, 10, 11	9. <i>Proteus vulgaris</i>
15309	2, 3, 6, 7, 8, 9, 10, 11	10. <i>Acinetobacter calcoaceticus</i> 11. <i>Pseudomonas aeruginosa</i>

APPLICATIONS

These antibodies have been qualified for use in ELISA to detect gram-negative endotoxin and in dot-blots to detect cells that express gram negative endotoxin. Endusers should determine optimal concentrations for their applications.

Customer feedback: #15305 was conjugated to colloidal gold and used successfully in a lateral flow assay format.

Gram-Negative Endotoxin Monoclonal Antibodies

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20° to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for use in therapeutic or diagnostic procedures.