

Product: Anti-Lipopolysaccharide (LPS)
Catalog #: 13-2400
Amount: 100 ml

CATEGORY: Sheep Polyclonal
IMMUNOGEN: LPS rough strains, prepared from Escherichia coli J5 (Rc mutant) using phenol-chloroform-petroleum ether extraction process. LPS was conjugated to KLH.
The J5 mutant (Heath) of E. coli 0:111 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. Thus the J5 mutant has no O-specific chains, and its endotoxin remains core LPS containing lipid A, N-Acetyl glucosamine, 2-keto-3-deoxyoctonate (KDO), heptose and glucose. This composition is similar to that of the Rc strains of Salmonella.

FORM: Ig Fraction

ASSAY SYSTEM: Enzyme Immunoassay

1. Coat plates saponified LPS (treatment of LPS with N NaOH, neutralize with HCL (100 µl/Well @ 1 µg/ml)
2. Block and wash
3. Add test sheep antisera in serial dilution
4. Incubate, wash and add conjugate (donkey anti-sheep HRP)
5. Incubate, wash and add substrate (TMB)
6. Stop reaction (H₂SO₄) and read plates at 450 nm
7. Working dilution is the maximum dilutant at which OD of 1.0 is achieved

CONCENTRATION: 9.5 mg/ml

TITER: 1:1,000

STORAGE: 2-8°C for immediate use, or at -20°C (aliquot)

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