

**Product:**            **Anti-*Escherichia coli* 0:111 J5 Mutant  
Ampicilin Lysed**  
**Catalog #:**        **13-2388**  
**Amount:**          **100 µl**

---

**CATEGORY:**           **Sheep Polyclonal**  
**IMMUNOGEN:**        Escherichia coli J5 (Rc mutant) (ATCC) was grown in nutrient agar.  
Culture was centrifuge, washed and the precipitated bacteria were  
aliquoted. For immunization the bacteria were suspended in isotonic saline  
and treated with a sufficient quantity of ampicilin to break down the cells.

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 (H<sub>2</sub>SO<sub>4</sub>) and read plates at 450 nm
7. Working dilution is the maximum dilutant at which OD of 1.0 is achieved

**WORKING TITER:**     Minimum 1:1000  
**STORAGE:**          2-8°C for immediate use, or at -20°C (aliquot)  
                          AVOID repeated freezing and thawing.

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.

489 Common Street, Belmont, MA 02478, USA; Email: info@arp1.com or staff@arp1.com  
Phone: 800-832-2611 or 617-489-1120 Fax: 888-832-2613 or 617-489-5120