bs-2033R **[Primary Antibody]**

E.coli DH-5 Alpha Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: E.coli DH-5 Alpha

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This antibody eacts with Escherichia coli, Escherichia coli is a gram negative bacillus that belongs to a larger group of Enterobacteriae - bacteria that inhabit the gastrointestinal tract. Although usually a harmless resident of the gut, some strains have the potential to cause serious problems, especially where there is an immature immune system or immunosuppression, or where the subtype of organism has acquired the ability to produce pathogenic toxins.

Applications: **ELISA** (1:5000-10000)

Reactivity: (predicted: Escherichia Coli, DH-5 Alpha)

SELECTED CITATIONS

- **[IF=32.086]** Zeying Zhang. et al. Rapid Identification and Monitoring of Multiple Bacterial Infections Using Printed Nanoarrays. ADV MATER. 2023 Jan;:2211363 Other ;Escherichia Coli. 36626679
- **[IF=4.916]** Li X et al. A novel and facile immunosensor based on a barometer: Application for rapid analysis of Escherichia coli in waters. Talanta, 120859 (2020). Other ;E. coli. doi:10.1016/j.talanta.2020.120859
- **[IF=3.998]** Bentolhoda Heli. et al. Toward a nanopaper-based and solid phase immunoassay using FRET for the rapid detection of bacteria. Sci Rep-Uk. 2020 Sep;10(1):1-11 Other ;E. coli. 32873860
- **[IF=3.8]** Pham Hong Phong. et al. Optical effects of graphene oxide attached to the hydrogel-inverse opal photonic crystals applicable to rapid semi-quantification of E.coli. OPT MATER. 2025 Feb;159:116547 ;Escherichia coli. 10.1016/j.optmat.2024.116547
- **[IF=3.7]** Wei Yang. et al. An Immunosensor Based on Electric Field-Assisted Oriented Immobilization for Sensitive Detection of Brucella Antibodies. CHEMOSENSORS. 2026 Apr;14(4):86 ;. 10.3390/chemosensors14040086

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.