KPL BacTrace® Antibodies

Antibodies to human, animal, and plant pathogens

A TRUSTED SOURCE FOR FOOD-BORNE PATHOGEN DETECTION

KPL BacTrace anti-bacteria antibodies are powerful tools for the detection of human, animal, and plant pathogens. These affinity-purified antibodies offer excellent specificity and sensitivity in ELISA, Western blot, lateral flow, agglutination, flow cytometry, and immunofluorescence immunoassays.

KPL BacTrace antibodies are recommended and used by the USDA, FDA, and in many AOACapprovedmethods. KPL BacTrace antibodies can be used as capture or detection antibodies Aspolyclonals, they are more sensitive than many commercially available monoclonal antibodies.

All KPL BacTrace antibodies meet our high standards for potency, minimal cross-reactivity, and lot-to-lot consistency, and are manufactured in ISO 13485-certified facilities.

SENSITIVITY

KPL BacTrace polyclonal antibodies are more sensitive than many commercially available monoclonal antibodies. Unlike monoclonals, KPL BacTrace antibodies recognize multiple epitopes on a given polyantigenic bacterium, which improves sensitivity (see Fig. 1). KPL BacTrace antibodies also eliminate concerns over expression of a single given antigen, which may be an issue with monoclonal antibodies.

SENSITIVITY OF KPL BACTRACE ANTI-E. COLI 0157:H7 ANTIBODY

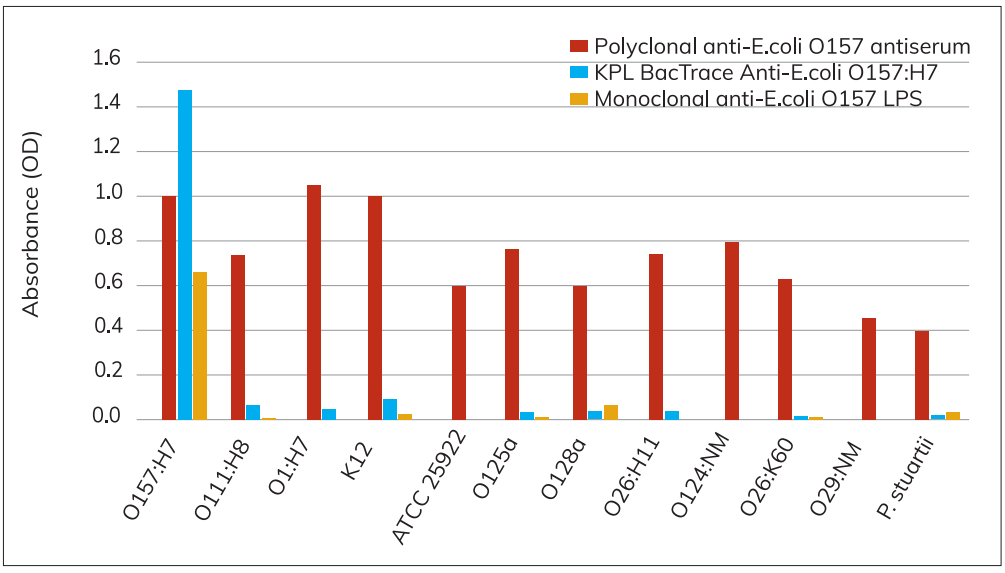

FIGURE 1: KPL BacTrace anti-E.coli O157:H7 antibody demonstrates enhanced sensitivity with low cross-reactivity when compared to a monoclonal antibody on an ELISA.

HIGHLIGHTS

Antigen affinity-purified polyclonal antibodies maximize the need for high sensitivity and unparalled specificity in immunoassays.

Antibodies to foodborne Pathogens:
- E. Coli
- Salmonella
- Listeria
- Campylobacter
- Vibrio
- Shigella

SPECIFICITY

The KPL BacTrace development process can be "tuned" to produce highly specific or broadly reactive polyclonal antibodies. Careful antigen selection and a proprietary Encapsulated Column Affinity Purification (ECAP™) process yields antibodies with specificity that rivals monoclonals (See Fig. 2). The same process can yield broadly reactive antibodies (See Fig. 3) that react with antigens preserved across a bacterial species.

HIGHLY SPECIFIC KPL BACTRACE ANTI-E. COLI O157:H7 ANTIBODY

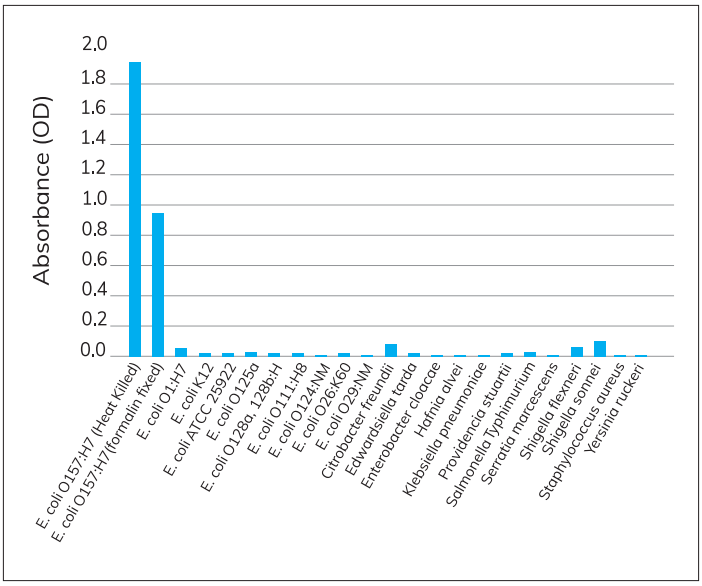

FIGURE 2: ELISA showing reactivity of KPL BacTrace Anti-E.coli O157:H7 antibody. The antibody is highly selective for the O157:H7 serotype and reacts minimally with other potentially cross-reacting serotypes.

BROADLY REACTIVE KPL BACTRACE ANTI-SALMONELLA ANTIBODY

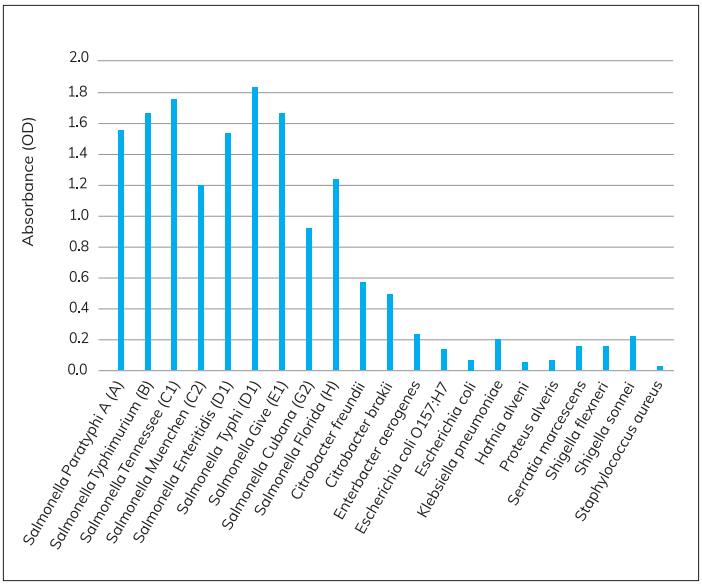

FIGURE 3: ELISA showing reactivity of Anti-Salmonella CSA-1 Antibody. This antibody is broadly reactive to Salmonella serotypes with low cross-reactivity to non-Salmonella bacteria.

ABOUT US

SeraCare offers a comprehensive portfolio of reference materials for oncology and reproductive health, designed and manufactured to meet the precision demanded by NGS assays. The portfolio includes high quality ground-truth RNA, ctDNA and genomic DNA-based reference materials that are NGS platform agnostic for tumor profiling, immuno-oncology, liquid biopsy, NIPT and germline cancer assay workflows. **For more information visit seracare.com**

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