

AP00870PU-N**Polyclonal Antibody to Staphylococcus aureus Enterotoxin E - Aff - Purified****Alternate names:** S. aureus, SEE, entE**Quantity:** 1 mg**Concentration:** 1.0 mg/ml (prior to lyophilization)

Background: Staphylococcal enterotoxins represent a group of proteins, which are secreted by Staphylococcus aureus and cause the intoxication staphylococcal food poisoning syndrome. The illness characterised by high fever, hypotension, diarrhea, shock, and in some cases death. Their molecular masses range between 27 and 30 kDa. At present, seven enterotoxins are known, namely A, B, C1, C2, C3, D and E. Their amino acid sequences have been determined and it was shown that all are single chain polypeptides containing one disulfide bond formed by two half cystines located in the middle of the polypeptide chain, which form the so called cysteine loop. Enterotoxins are extremely potent activator of T cells, stimulating the production and secretion of various cytokines which mediate many of the toxic effects of these substances. Enterotoxins are Superantigens, inducing polyclonal T cell activation by binding to the TCR and to the alpha chain of the MHC II molecule simultaneously.

Uniprot ID: [P12993](#)**NCBI:** [1280](#)**Host:** Rabbit**Immunogen:** Staphylococcus aureus Enterotoxin E (SEE)

Format: **State:** Lyophilized purified Ig fraction.
Purification: Toxin specific Immunoaffinity Chromatography.
Buffer System: 0.01M phosphate, pH 7.4 containing 0.9% Sodium Chloride
Reconstitution: Restore with 1ml deionized water

Applications: ELISA.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody is specific to Staphylococcus aureus Enterotoxin E (SEE).
Minimal cross-reactivity with staphylococcal enterotoxins A through D, ET, TSST and alpha hemolysin.

Storage: Prior to reconstitution store at 2-8°C.
After reconstitution store the antibody at -80°C.
If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.