

SEA (S2): sc-52226

BACKGROUND

Staphylococcus enterotoxin A (SEA) is a member of the Staphylococcal enterotoxin family. Staphylococcal enterotoxins are proteins secreted by *Staphylococcus aureus* that cause food poisoning. The illness is characterised by high fever, hypotension, diarrhea, shock and sometimes death. *Staphylococcus* enterotoxin A are single chain polypeptides containing one disulfide bond formed by two half cystines in the middle of the chain. Enterotoxins cause T cell activation accompanied by induction of interleukin-2. Interferon is conditioned by interaction of *Staphylococcus* enterotoxins with class II MHC molecules and subsequent presentation of the complex formed to a variable region of the T cell receptor.

REFERENCES

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SOURCE

SEA (S2) is a mouse monoclonal antibody raised against purified enterotoxin A from FRI-722H strain of *S. aureus*.

PRODUCT

Each vial contains 100 μ g IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

SEA (S2) is recommended for detection of enterotoxins A and D of *Staphylococcus aureus* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Molecular Weight of SEA: 32 kDa.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.