



**CATALOGUE #:** 2S3

**PRODUCT NAME:** Monoclonal mouse anti-enterotoxin *Staphylococcus aureus*

**MAbs:** S1, S2, S5

Hybridoma clones have been derived from hybridization of X63-Ag8-653 myeloma cells with spleen cells of Balb/c mice immunized with purified enterotoxin A from FRI-722H strain of *St. aureus*.

**Specificity:** MAb S1 - enterotoxins A, D, E of *St. aureus*

MAb S2 - enterotoxins A, D of *St. aureus*

MAb S5 - enterotoxins B, C1, C2, D of *St. aureus*

Specificity of MAb were established in indirect ELISA using standard staphylococcal enterotoxins A, B, C1, C2, D, E from Serva (Germany) at appropriate dilution of ascitic fluids. Percentage of cross-reactivity is shown in the table below. At 0.1  $\mu$ M MAb S5 inhibits enterotoxins induced stimulation of T-lymphocytes in vitro.

Cross-reactivity with enterotoxins of *St. aureus* (%):

MAb	A	B	C1	C2	D	E
S1	21	0	0	0	100	16
S2	8	0	0	0	100	0
S5	2	100	7	76	29	0

**MAb isotypes:** IgG2a for MAbs S1, S2 and S5

**Applications:** Detection of staphylococcal enterotoxins in ELISA.

**Purification:** Chromatography on protein G Sepharose

**Presentation:** PBS, pH 7.4, 0.1 % sodium azide (NaN<sub>3</sub>)

**Storage:** + 4 °C

**Material safety note:** This product is sold as an antibody preparation **for research use only**. Standard Laboratory Practices should be followed when handling this material.

Contains sodium azide (0.1 %) as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

**Other information:** Advances of enzyme regulation (ed. By G. Weber) v.30, pp. 331-335, Pergamon Press, N.Y. (1990)