

**CATALOGUE #:** 3SO22

**PRODUCT NAME:** Monoclonal mouse anti-A, B, D group specific *Salmonella* O-antigens

**MAbs *in vivo*:**

**A group: 10B10G**

Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

**Immunogen:**

Heat inactivated bacterial cells of *Salmonella* paratyphi A

**Specificity:**

O-antigen specificity of 10B10G:

Sero-group	MAb	Cross-reactivity										Ag Determinant
		1	2	3	4	5	6	7	8	9	10	
A	10B10G	+	-	-	-	-	-	-	-	-	-	0-2

**1** – *Salmonella paratyphi*, **2** – *Salmonella typhimurium*, **3** – *Salmonella enteritidis*, **4** – *Salmonella choleraesuis*, **5** – *Salmonella newport*, **6** – *Salmonella anatum*, **7** – *Salmonella Selandia*, **8** – *E. coli* 055:B5, **9** – *E. coli* K12, **10** – *Klebsiella pneum*

Reactivity: Binding constants ( $K_a$ ,  $M^{-1}$ ) of Mabs with LPS of A, B and D groups are determined by the method of Beatty *et al.*:

MAb	LPS A	LPS B	LPS D	LPS E
10B10G (A group)	$2.0 \times 10^7$	-	-	-

**MAb isotypes:**

**IgG3** for 10B10G

**Purification:**

Protein G chromatography

**Presentation:**

PBS, pH 7.4, 0.09 % sodium azide ( $NaN_3$ )

**Storage:**

+4 °C (+2 ... +8 °C allowed)

**Material safety note:**

This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.