



# DataSheet

**CATALOGUE #:** 3SO22

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

**MAbs:** A group: 10B10G

Hybridoma clone has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with heat inactivated bacterial cells of *Salmonella paratyphi* (group A).

**Specificity:** O-antigen specificity of MAb 10B10G:

| Sero-group | MAb isotype | MAb    | Cross-reactivity |   |   |   |   |   |   |   |   |    | Ag Determinant |
|------------|-------------|--------|------------------|---|---|---|---|---|---|---|---|----|----------------|
|            |             |        | 1                | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                |
| A          | IgG1        | 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:** IgG1 for MAb 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 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.

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