Datasheet

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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	
Α	10B10G	+	-	-	-	-	-	-	-	-	-	0-2

 ${\bf 1}-Salmonella\ paratyphi,\,{\bf 2}-Salmonella\ typhimurium,\,{\bf 3}-Salmonella\ enteriditis,\,{\bf 4}-Salmonella$ 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 (Ka, 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 x 10 ⁷	-	-	-

MAb isotypes: IgG3 for 10B10G

Purification: Protein G chromatography

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN₃)

Storage: +4 °C (+2 ... +8 °C allowed)

Material This product is sold for research or further manufacturing use only. Standard Laboratory Practices safety note: 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.