



Mouse Monoclonal Antibodies to A, B, D Group Specific Salmonella O-Antigens

PRODUCT CODE : BF 1171

CLONE NOS. : A group : 1809082
A,B,D group : 2109112
Pan Salmonella : 2209122

IMMUNOGEN : Heat inactivated bacterial cells of Salmonella paratyphi (group A), Salmonella typhimurium (group B) and Salmonella enteritidis (group D).

PRESENTATION : Protein G Sepharose purified immunoglobulin in PBS buffer, pH 7.4, containing 0.1% sodium azide as preservative.

O-Antigen Specificity of Monoclonal Antibodies

Sero-group	MAb isotype	Clone	Cross-reactivity										Ag Determinant	
			1	2	3	4	5	6	7	8	9	10		
A	IgG1	1809082	+	-	-	-	-	-	-	-	-	-	-	0-2
Pan	IgG1	2209122	+	+	+	+	+	+	+	+	+	+	+	Core
A,B,D	IgG1	2109112	+	+	+	-	-	±	±	-	-	-	-	0-12

1 – *Salmonella paratyphi*, 2 – *Salmonella typhimurium*, 3 – *Salmonella enteritidis*, 4 – *Salmonella cholerae*, 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.:

Clone	LPS A	LPS B	LPS D	LPS E
1809082 (A group)	2.0×10^7	-	-	-
2109112 (A,B,D group)	2.1×10^9	1.1×10^9	6.5×10^8	1×10^6
2209122 (pan)	1×10^9	1×10^7	1×10^7	1×10^{10}

STORE : +2 to +8°C

Aalto Bio Reagents Ltd.

Church Lane, Rathfarnham Village
Dublin 14, Ireland.

Tel: +353-1-490 0685 Fax: +353-1-490 0122

E mail: info@aalto-bioreagents.ie Web: www.aalto-bioreagents.ie



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