

Antibody affinity to Protein A and Protein G

Species	IgG class	Protein A	Protein G	Species	IgG class	Protein A	Protein G
Human	IgG1	++	++	Rabbit	IgG	++	++
	IgG2	++	++	Hamster	IgG	+	++
	IgG3	-	++	Guinea Pig	IgG	++	+
	IgG4	+	++	Bovine	IgG	+	++
	IgA	+	-	Horse	IgG	+	++
	IgD	+	-	Sheep	IgG	+/-	++
	IgE	+	-	Goat	IgG	+/-	++
	IgM	+	-	Pig	IgG	++	++
Mouse	IgG1	+	++	Chicken	IgY	-	+/-
	IgG2a	++	++	Antibody fragments			
	IgG2b	++	++				
	IgG2c	+	++				
Rat	IgM	+/-	-				
	IgG	++	++	Human	Fab	+	+
	IgG1	+/-	+		F(ab')2	+	+
	IgG2a	+/-	++		scFv	+	-
	IgG2b	+/-	+		Fc	+	+
	IgG2c	+/-	+		κ	-	-
	IgM	+/-	-		λ	-	-
++ strong		+ moderate	- low	+/- needs evaluation			

References:

Richman DD, Cleveland PH, Oxman MN, and Johnson KM. (1982) The binding of *Staphylococci* Protein A by the sera of different animal species. *J Immunol* **128**, 2300-2305.

Frank MB. (1997) Antibody Binding to Protein A and Protein G beads. In: Frank MB, ed. *Molecular Biology Protocols*. Oklahoma City.