

Comparison of antibody-binding characteristics for Protein A and Protein G

Species	Antibody class	Binding capacity	
		Protein A	Protein G
Human	Total IgG	Strong	Strong
	IgG ₁	Strong	Strong
	IgG ₂	Strong	Strong
	IgG ₃	Weak	Strong
	IgG ₄	Strong	Strong
	IgM	Weak	-
	IgD	-	-
	IgA	Weak	-
	Fab	Weak	Weak
	ScFv	Weak	-
Mouse	Total IgG	Strong	Strong
	IgG ₁	Weak	Medium
	IgG _{2a}	Strong	Strong
	IgG _{2b}	Strong	Strong
	IgG ₃	Strong	Strong
	IgM	-	-
Rat	Total IgG	Weak	Medium
	IgG ₁	Weak	Medium
	IgG _{2a}	-	Strong
	IgG _{2b}	-	Weak
	IgG _{2c}	Strong	Strong
Cow	Total IgG	Weak	Strong
	IgG ₁	Weak	Strong
	IgG ₂	Strong	Strong
Goat	Total IgG	Weak	Strong
	IgG ₁	Weak	Strong
	IgG ₂	Strong	Strong
Sheep	Total IgG	Weak	Strong
	IgG ₁	Weak	Strong
	IgG ₂	Strong	Strong
Horse	Total IgG	Weak	Strong
	IgG(ab)	Weak	-
	IgG(c)	Weak	-
	IgG(T)	-	Strong
Rabbit	Total IgG	Strong	Strong
Guinea Pig	Total IgG	Strong	Weak
Pig	Total IgG	Strong	Weak
Dog	Total IgG	Strong	Weak
Cat	Total IgG	Strong	Weak
Chicken	Total IgY	-	-

Reference:

Kaboord B, Perr M. Isolation of proteins and protein complexes by immunoprecipitation. *Methods Mol Biol*, 2008. 424:349-64.