

Overview of antibody immobilization strategies to biosensors in BLI and SPR assays

	Nano-CaptureLigand™	Biotinylation of antibody	Covalent antibody coupling	Protein A, G, L
Mode of antibody capture to biosensor/ Mode of antibody immobilization	Site-directed binding of antibody to Nano-CaptureLigand, which is coated on avidin/streptavidin biosensors	Binding of biotinylated antibody to avidin/streptavidin biosensors	Covalent binding of antibody to amine reactive biosensors	Site-directed binding of antibody to Protein A, G, L biosensors
Biosensors	Avidin/streptavidin biosensors	Avidin/streptavidin biosensors	Amine reactive biosensors	Protein A, G, L biosensors
Directed immobilization	+	-	-	+
Immobilization of non-modified antibody	+	-	-	+
Species- and subclass-specific capture	+	-	-	-
Handling convenience	+	-	-	+
Stable baseline	+	+	+	o
Applicability of crude samples	+	+	+	-
High reproducibility and sensitivity	+	-	-	-
Re-usability of biosensors	+	+	+	+

+ (applies), - (doesn't apply), o (indifferent)