

Overview of antibody immobilization strategies in ELISA

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

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