



	Function	Dynamic Range	Regeneration	General Applications
Protein A	Binds IgG's of various species including human and mouse	0.02 – 2000 µg/mL	Yes	Q, QKR
Protein L	Binds IgG's of various species through the kappa light chain	0.1 – 2000 µg/mL	Yes	Q, QKR
Protein G	Binds IgG's of various species including human and rat	0.02 – 2000 µg/mL	Yes	Q, QKR
Human-Fc	Binds human IgG's and human Fc-fusion proteins	0.02 – 300 µg/mL	Yes	Q
Mouse-Fc	Binds mouse IgG's and mouse Fc-fusion proteins	0.02 – 300 µg/mL	Yes	Q
Streptavidin	Binds biotinylated and Avi-tagged biomolecules	Protein-Dependent	No	Indirect Q, K, EP
Amine Reactive	Covalently attach to amine group of protein using EDC/NHS	Protein-Dependent	No	Indirect Q, K, EP
APS (Aminopropylsilane)	Binds hydrophobic proteins	Protein-Dependent	No	Q
Anti-His	Binds His-tagged proteins	Protein-Dependent	Yes	Q, K, QKR, EP
SMAP (Small Molecule, Antibody, and Protein)	Binds biotinylated and Avi-tagged biomolecules and subsequent binding of small molecules and proteins	>150 Da	No	Indirect Q, K
Custom-Made	Custom-made biosensors for your specific applications (Example: SARS-CoV-2 RBD biosensors for COVID research)	Varies	Varies	Varies

Q: Quantitation, K: Kinetics, QKR: Quantitation Kinetics & Regeneration, EP: EPitope binning

Gator Bio Biosensors:

- Gator Bio Biosensors offer a reliable solution to measure interactions of a wide range of biomolecules
- Patented optical layer enables the detection of smaller refractive index changes
- Patented surface chemistry with a 1 mm diameter binding area provides greater sensitivity and wider dynamic range
- Robust and rapid regeneration for cost-effective quantitation applications

