

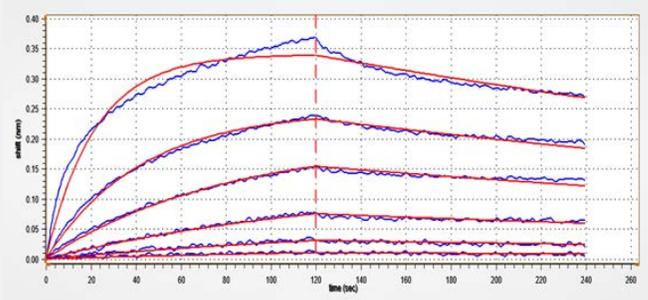
Gator Bio Next Generation BLI: Applications in SARS-CoV-2 Research

Overview

Gator Bio™ has customized RBD biosensors that can be used in SARS-CoV-2 research. These RBD biosensors have human receptor binding domain (RBD) immobilized to the surface. This RBD is active and can be used to detect antibodies generated against this antigen. General applications include kinetics, quantitation, and epitope binning. Gator Bio RBD biosensors can be used to detect purified antibodies during the antibody engineering process as well as naturally derived antibodies in patient samples. If interested in ordering custom RBD biosensors, please contact us at sales@gatorbio.com.

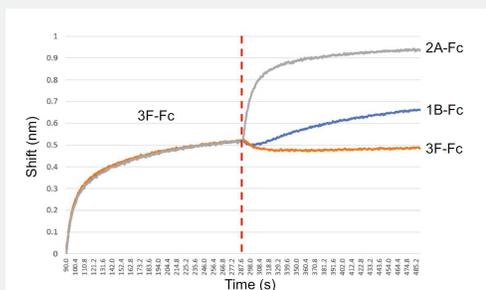
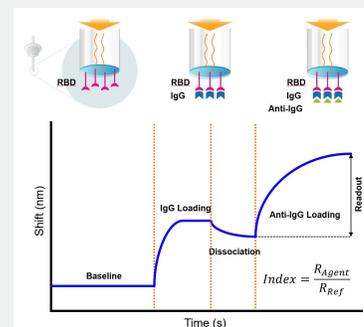
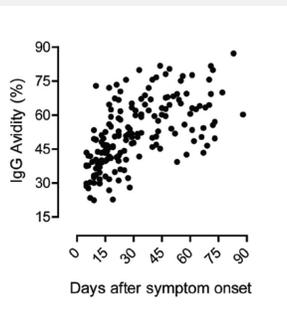
General Applications:

- RBD biosensor for detecting antibodies against SARS-CoV-2
- Use for quantitation, kinetics, epitope binning, isotyping, and more
- Compatible with crude or purified samples



Gator Bio RBD biosensors can be used to measure the avidity of antibodies generated towards SARS-CoV-2.

RBD Biosensors can be used to measure avidity of patient antibodies. Isotyping can also be performed to determine presence of IgG, IgM, or IgA. (Figure from Luo *RY et al. Clinical Infectious Diseases, 2020.*)



RBD Biosensors can be used to do epitope binning of antibodies engineered against SARS-CoV-2. (Figure from Dong. *J et al. Scientific Reports 2020.*)