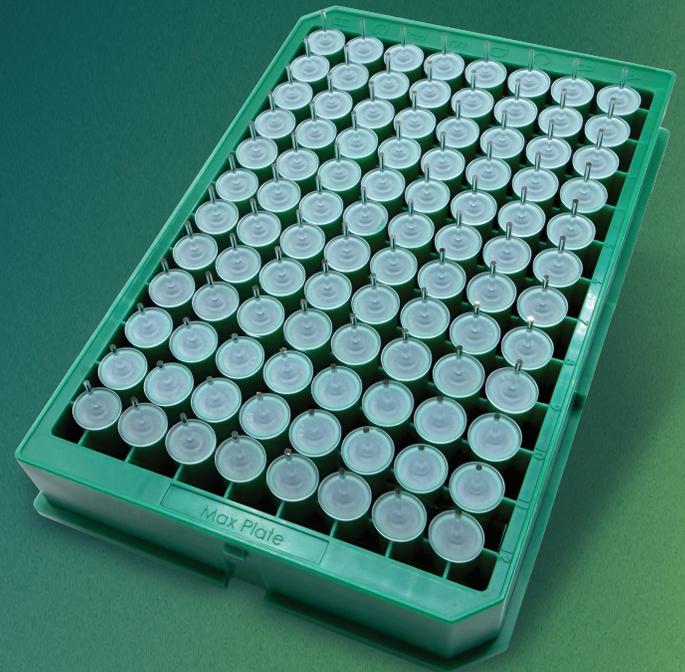
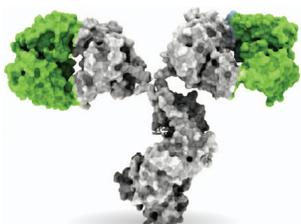


HIS XT Biosensors for His-tagged Protein Analysis



Gator® Bio's new enhanced performance Anti-His (HIS) XT Probes deliver industry-leading baseline stability and resolution for quantitation, affinity characterization, and epitope binning.

HIS XT probes feature a first-of-its-kind AI-designed NovoBody™ capture protein integrated into a ready-to-use biosensor surface for poly-His capture with far greater capture half-life. This next-generation biosensor features an advanced optical design providing enhanced sensitivity for unparalleled results and cost-savings for his-capture assays.



Antibody



NovoBody™

Key Performance Advantages



4x Higher signal resolution enabling analysis of small analytes and weak interactions



Superior baseline stability with 58% reduction in signal drift, enabling confident measurements of pM affinities



5x Reduction in sample consumption resulting in ~\$768 reagent savings/plate



10x Faster loading for increased throughput

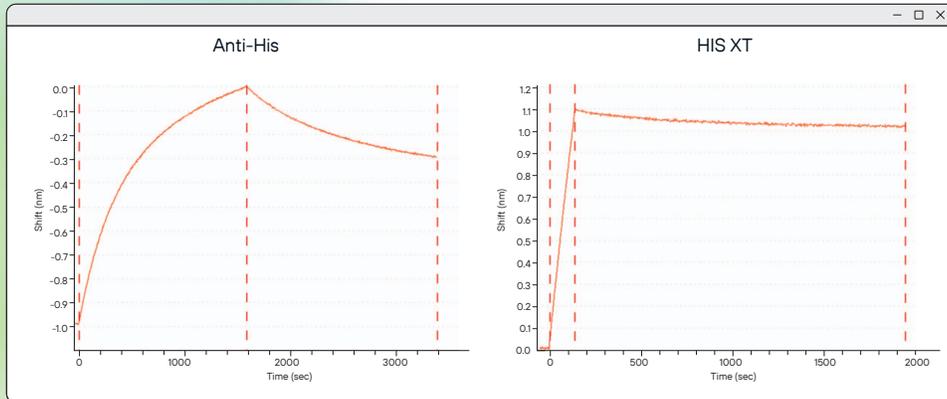


Reliable regeneration with minimal performance loss



High dynamic range for fast and accurate quantitation without sample dilution

Baseline drift improvement over traditional Anti-His capture

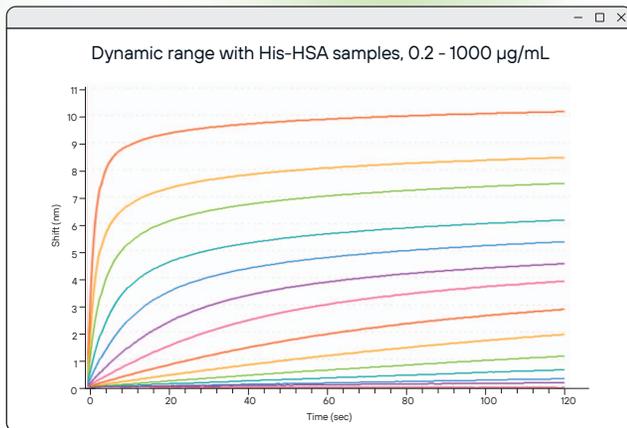


	Time to reach 1 nm loading threshold	k_{off} (1/s)
Anti-His	1585 s	1.15 E-03
HIS XT	138 s	3.46 E-05

HIS XT boasts faster loading time and lower baseline drift compared to traditional Anti-His capture

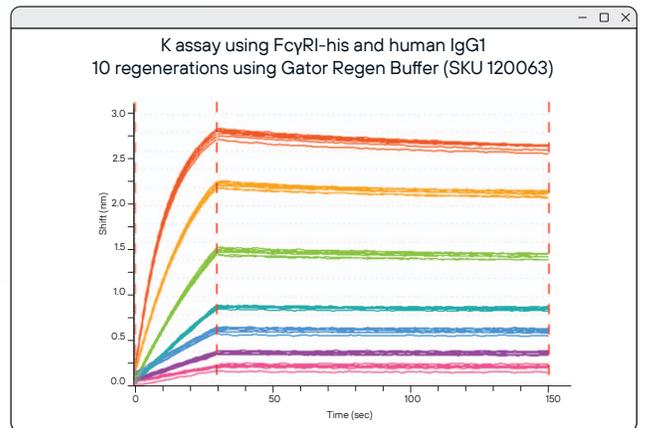
HIS XT Probes demonstrate superior capture of His-tag SARS-CoV-2 Spike Protein (RBD) compared to traditional Anti-His biosensors.

High dynamic range



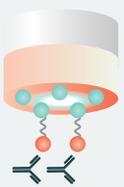
HIS XT Probes loaded with a 2-fold dilution series of His-HSA demonstrate clear separation of binding curves over a 5000-fold dynamic range

Robust regeneration



HIS XT Probes experience <5% CV in signal retention from each regeneration and recapture of HIS-tagged FcγRI and associate human IgG1

Kinetics



Measure pM – μ M affinities with confidence

Higher signal allows measurement of small (<15 kDa) analytes

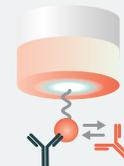
Quantitation



Quantify crude His-tagged proteins without purification

Regeneration provides low cost and high reliability

Epitope Binning



Epitope-accessible capture

Clean competition readouts

Faster binding for improved throughput

Get in touch with us

EMAIL
info@gatorbio.com

PHONE
1-855-208-0743

GATOR BIO

SHOP NOW

gatorbio.com

