VIXEN BIO

Bring the human immune context into therapy development decisions.

Promising leads can still fail when their biology doesn't translate.
We bring the relevant immune biology into the development earlier:

Human-relevant immune biology › Functional kinetics & mechanistic insights › Better development decisions

We measure across three biological layers to reveal the true functional potential of your candidate:

Target engagement

- Bound / free analyses
- (*ex-vivo*) kinetic affinity/avidity
- Protein and cell-kinetics

Cellular response

- Effector & functional potency
- MoA deconvolution
- Immune-cell activation

Systemic response

- Donor variability
- Therapy strengthening biomarkers
- Immunogenicity profiling

Reducing biological uncertainty before it becomes a development risk:



Reveal the biology

Understand full MoA & functional kinetics in native human relevant conditions.



De-risk candidates

Identify non-viable leads early before committing to costly IND-enabling studies.



Translate with confidence

Accelerate time-to-insights with direct scientist-to-scientist collaboration.



Better decisions

Accelerate decisions for progression, optimisation and clinical strategy.

Proven expertise & high-impact bioanalytical extension of your team.

100 %	30+	50+
Immune focus	Active Partnerships	Years expertise

Scan to talk to a scientist

Ghent, BE
vixenbio.com
Info@vixenbio.com

Complex biologics need more than endpoint assays, they need the full picture.

We need to know what happens between binding, function and human biology.

01 | Does my compound engage its target as expected?

We characterise binding and target engagement, under physiologically relevant conditions to reveal affinity, avidity and kinetic behaviour.

Real-time kinetics • physiological affinity • FcγR / C1q engagement • FcRn half-life

02 | Does target engagement translate into function?

We connect molecular interactions to cellular behaviour to understand potency, activation and mechanism of action.

Cell-kinetics • Effector-cell recruitment • Functional potency • MoA deconvolution

03 | Will the biology translate to patients?

We interrogate human samples to understand donor variability & immune fitness and screen for predicting signs of immunogenicity.

Ligand binding assays • Cytokine responses • Phenotyping • Translational biomarkers

Have a biological blind spot? Let's map it.

Not sure what your standard assays are missing? Let's explore it together.
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