

Join our TR-FRET Campaign and unlock science, insights, and surprises!

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Join ACRO'S TR-FRET Lunch & Learn Session
Exploring innovative TR-FRET technology together!



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Live Webinar

Empowering Drug Screening and Mechanism Studies with TR-FRET



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1-Minute TR-FRET Questionnaire
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Web: www.acrobiosystems.com
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Product List

Cat. No.	Product Description	Stage	
FRT-01	Human FcRn binding Kit (TR-FRET)		
FRT-03	Human Fc gamma RI / CD64 binding Kit (TR-FRET)		
FRT-04	Human Fc gamma RIIA / CD32a (H167) binding Kit (TR-FRET)		
FRT-05	Human Fc gamma RIIA / CD32a (R167) binding Kit (TR-FRET)		
FRT-06	Human Fc gamma RIIIA / CD16a (F176) binding Kit (TR-FRET)		
FRT-07	Human Fc gamma RIIIA / CD16a (V176) binding Kit (TR-FRET)		
FRT-P008	Human Fc epsilon RI alpha / IgE Fc Inhibitor Screening Kit (TR-FRET)		Online
FRT-02	Human TL1A-DR3 inhibition Kit (TR-FRET)		
FRT-P009	Human IL-4 / IL-4RA Inhibitor Screening Kit (TR-FRET)		
FRT-P010	Human IL-23 / IL-23R Inhibitor Screening Kit (TR-FRET)		
FRT-P011	Human IL-17A / IL-17RA Inhibitor Screening Kit (TR-FRET)		
FRT-P012	Human TSLP / IL-7Ra & TSLP R Inhibitor Screening Kit (TR-FRET)		
FRT-P014	Human OX40 / OX40 Ligand Inhibitor Screening Kit (TR-FRET)		
FRT-P017	Human IL-5 / IL-5Ra Inhibitor Screening Kit (TR-FRET)		Coming Soon
FRT-P018	Human CD40 / CD40 Ligand Inhibitor Screening Kit (TR-FRET)		
FRT-P019	Human PD-1 / PD-L1 Inhibitor Screening Kit (TR-FRET)		
FRT-P020	Human Integrin α V β 6 / Latent TGF- β Inhibitor Screening Kit (TR-FRET)		

Can't find the TR-FRET kit you need?

No worries—we'll build it for you! With our custom development service, you can get your tailored assay kit in as little as **6 weeks**.



Scan to customize your TR-FRET kits

Simplify Drug Screening with TR-FRET

— Fast, Smart, and Budget-Friendly

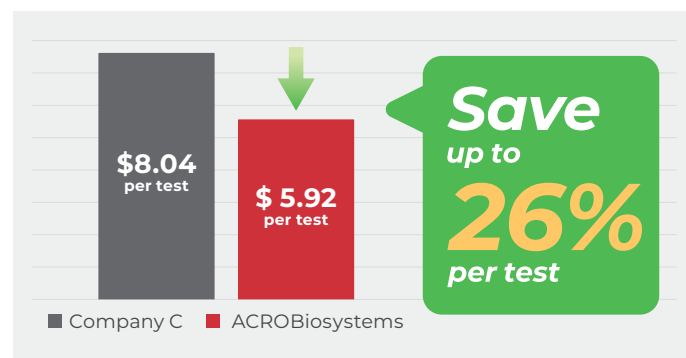
-  **Cost-effective**
Competitive pricing with bulk packaging options for greater value.
-  **Time-saving & Reduced Workload**
Homogeneous, no-wash protocol enables results in just 1 hour.
-  **Reliable Performance**
Rigorously quality-controlled and multi-dimensionally validated to enhance drug screening success.
-  **Flexible Sizes & Long-term Stable Supply**
Customized formats up to 10,000 tests available, with reliable and on-time delivery.



Scan the QR Code to Learn More!

Do More with Less: Cost-Effective Assays Start with TR-FRET

- Affordable pricing designed to support early-stage screening and large-scale studies



Fits Your Scale. Always On Time

TR-FRET kits are available in flexible sizes—from small packs to bulk formats (>10,000 tests). Our robust supply chain and reliable inventory ensure on-time delivery and long-term stability, helping you stay on track at every stage of your R&D pipeline.



Step Into the Fast Lane of Drug Screening with TR-FRET

Say goodbye to complex workflows. TR-FRET delivers high-throughput, no-wash assays that simplify interaction studies among small molecules, antibodies, and proteins, accelerate drug screening, and deliver superior data quality.

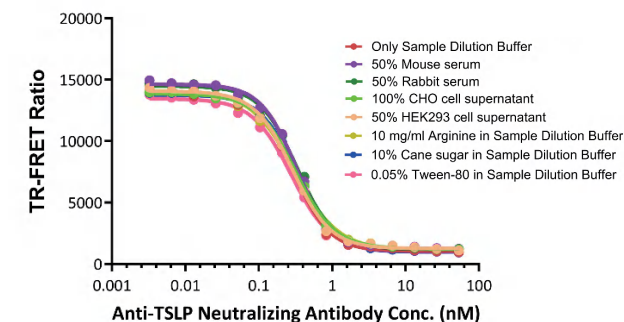
Whether you're screening hundreds of molecules or optimizing assay conditions, TR-FRET offers a powerful, scalable alternative—especially when speed, reproducibility, and ease-of-use matter most.

ELISA vs. TR-FRET

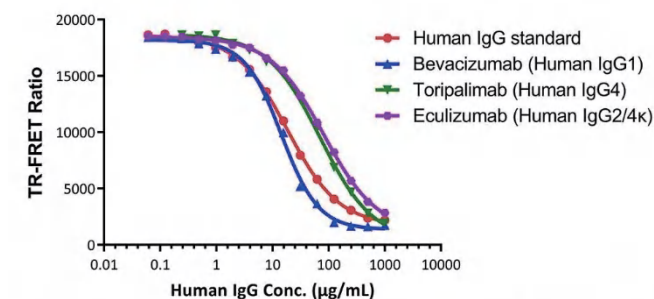
	ELISA	TR-FRET
Time Cost	3~21 h	~1 h
Wash step	≥3 times	No
Sample requirements (per well)	50-100 µl	2-10 µl
Workflow	Coating ↓ Blocking ↓ Sample addition ↓ Plate washing ↓ Color development ↓ Termination of reaction ↓ Plate reading	Add sample ↓ Incubate ↓ Read plate
Throughput level	96-well plate	384/1536well plates
Data Quality	Low signal-to-noise ratio	High signal-to-noise ratio
Device requirement	Microplate Reader, Incubator, etc.	Only Microplate Reader (TR-FRET module)

Reliable Performance to Enhance Drug Screening Success

Each TR-FRET kit undergoes rigorous quality control and multi-dimensional validation. Systematically verified through established methodologies and tested in real drug development scenarios, our kits deliver reliable results you can trust.



Low matrix effect ensures stable performance across diverse sample types.



Antibody	IC50(nM)-TR-FRET	K _D (M)-SPR	Half-life (data from published literatures)
Human IgG standard	124.4nM	1.73E-07 M	NA
Bevacizumab (Human IgG1)	97.1nM	1.76E-07 M	20 days (11 to 50 days)
Toripalimab (Human IgG4)	430.9nM	8.29E-07 M	10 ± 1.5 days after the first dose and 18 ± 9.4 days at steady state
Eculizumab (Human IgG2/4k)	549.9nM	1.20E-06 M	11 to 18 days (270 to 414 hours)

The half-lives of these 3 monoclonal antibodies currently in clinical use generally correlate with the binding affinity to FcRn. The kit has been used to detect 3 FDA approved antibody drugs of different binding affinity to FcRn, and the IC50 trends are consistent with affinity constant from SPR as well as the actual in vivo half-life published.