BIOSYSTEMS Acro

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Full Length Active Gallery

Multi-pass Transmembrane Proteins (TPs) and Technology Platforms

TECHNOLOGY PLATFORMS

VLP Platform

- 100–300 nm, ideal for dendritic cell targeting and phage display
- High antigen abundance, stronger immunogenicity **[Preferred for animal immunization]**

Detergent Platform

- Preserves native conformation and antigenic epitopes
- Homogeneous proteins, high detection specificity **[Suitable for ELISA, SPR, BLI, and other analytical applications]**

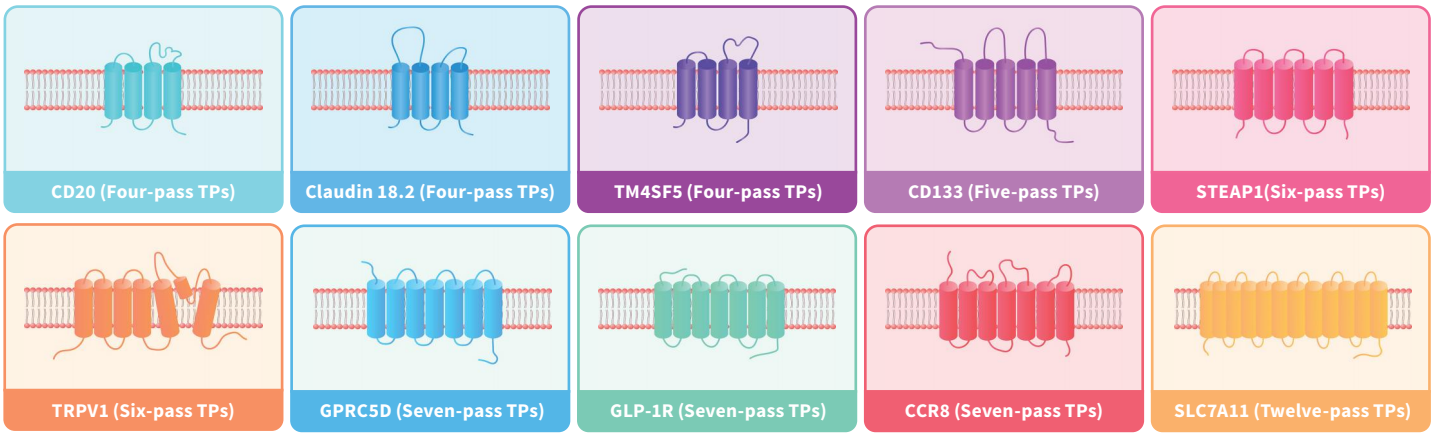
Nanodisc Platform

- Maintain fully intact native conformation in near-native membrane environments
- Preserve biological activity and can be accurately quantified **[Supports cell-based assays & CAR detection]**

Nanodisc-pro Platform

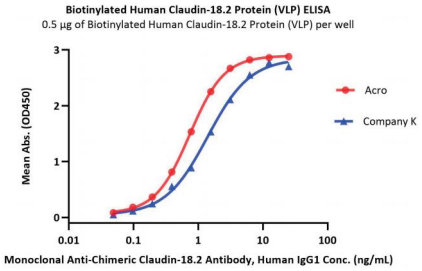
- Full-length TPs are in a natural membrane environment
- High batch-to-batch consistency, without the need for detergents **[Cell-based assay friendly, cost-effective]**

HOT MULTI-PASS TPS COLLECTION



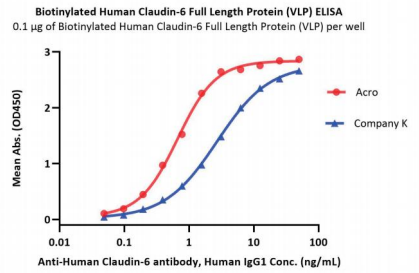
COMPREHENSIVE DATA VALIDATION

▪ Claudin 18.2 (VLP): High bioactivity verified by ELISA, outperforming comparable products



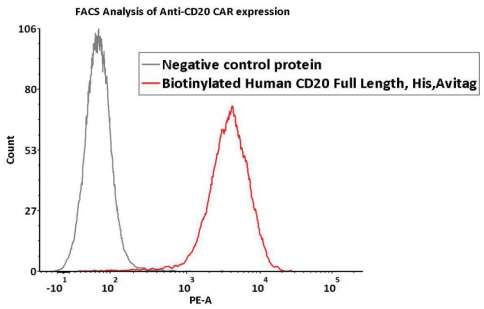
ELISA comparison of Biotinylated Full-length Human Claudin-18.2 Protein (VLP) (Cat. No. CL2-H82P3) using Anti-Human Claudin-18.2 antibody shows ACROBiosystems' Claudin 18.2 Protein has superior bioactivity to Company K (routinely testing).

▪ Claudin 6 (VLP): High bioactivity verified by ELISA, outperforming comparable products



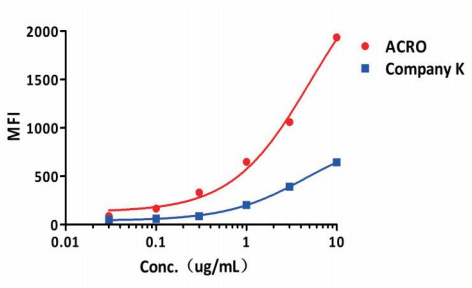
ELISA comparison of Biotinylated Full-length Human Claudin-6 Protein (VLP) (Cat. No. CL6-H82P3) using Anti-Human Claudin-6 antibody shows ACROBiosystems' Claudin 6 Protein has superior bioactivity to Company K (routinely testing).

▪ CD20 (Detergent): High bioactivity verified by FACS



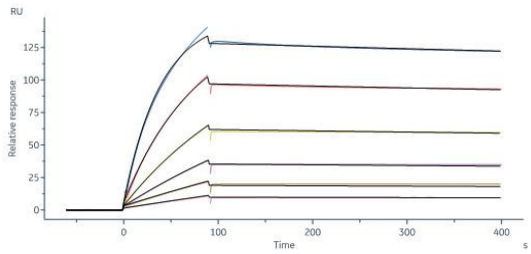
2e5 of anti-CD20 CAR-293 cells were stained with 100 μL of 3 μg/mL of Biotinylated Human CD20 Full Length, His,Avitag (Cat. No. CD0-H82E3) and negative control protein respectively, washed and then followed by PE-SA and analyzed with FACS (QC tested).

▪ GPRC5D (Nanodisc): High bioactivity verified by FACS, outperforming comparable products



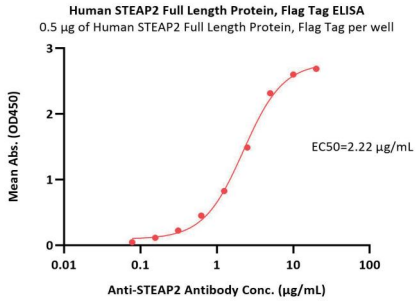
Flow cytometric analysis of Anti-GPRC5D CAR-293 cells staining with Human GPRC5D Full Length Protein, Flag,His Tag (Nanodisc) (Cat. No. GPD-H52D6). The biological activity level of ACROBiosystems' GPRC5D Protein is superior to Company K (Routinely tested).

▪ Claudin 6 (Nanodisc-pro): Affinity verified by SPR



Anti-Claudin-6 Antibody, Human IgG1 captured on Protein A Chip can bind Fluorescent Human Claudin-6 Full Length Protein, Flag,His Tag,GFP Tag (Cat. No. CL6-H52M3) with an affinity constant of 1.52 nM as determined in a SPR assay (Biacore 8K) (Routinely tested).

▪ STEAP2 (Nanodisc-pro): High bioactivity verified by ELISA



Immobilized Human STEAP2 Full Length Protein, Flag Tag (Cat. No. ST2-H55C3) at 5 μg/mL (100 μL/well) can bind Anti-STEAP2 Antibody with a linear range of 0.078-5 μg/mL (QC tested).

We also provide corresponding stable cell line products and cell line development service to facilitate drug development and clinical submission. Welcome to inquiry~

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