

Precision Proteins for Cell Analysis

InnoCyto

High-quality recombinant proteins engineered for flow cytometry, binding assays, and functional cell-based workflows

WHY INNOCYTO PROTEINS?

InnoCyto's recombinant protein portfolio is designed to integrate seamlessly into cell analysis and molecular interaction workflows. From fluorescence-labeled proteins for direct detection to functional receptors and enzymes for assay development, our proteins are produced and validated to support reliable, reproducible results, simplifying your workflow. All products are lot-tested and offered at exceptional pricing.

Clean Data

High purity proteins ensure minimal background noise for clear analysis.



Fluorescence Labeling

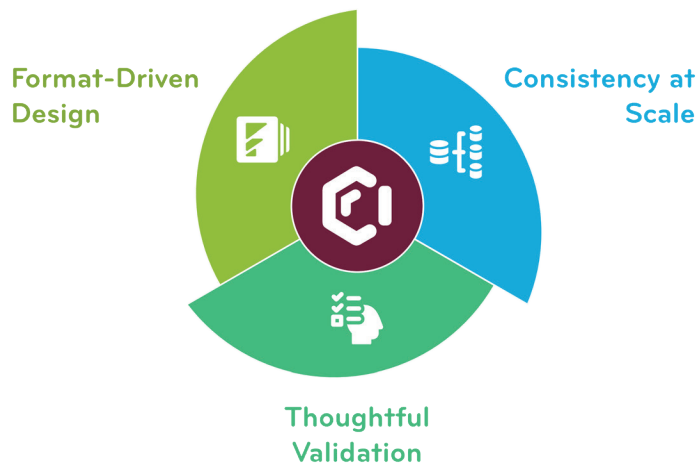
Fluorophore conjugated proteins enable direct detection.

Reproducibility

Protein specifications are designed to yield consistent results across experiments.

InnoCyto develops recombinant proteins with function, format, and consistency in mind, so researchers can interrogate biology more simply with confidence.

WHAT SETS INNOCYTO PROTEINS APART



Format-Driven Design

- Non-tagged, tagged, Fc-fusion, and fluorescent formats
- Built for direct use in cytometry, binding, and functional assays

Consistency at Scale

- Optimized production processes
- Reliable lot-to-lot performance for longitudinal studies

Thoughtful Validation

- Performance tested in relevant applications
- Specifications aligned to real experimental conditions

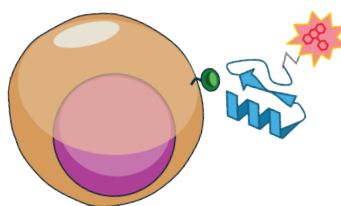
Because reagents shouldn't be variables.

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Catalyzing Discovery with
Trusted Reagents for Cell-
Based Research

Fluorescence Labeled Proteins



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Direct Detection. Minimal Assay Complexity.

InnoCyto's fluorescence-labeled proteins enable direct detection of receptor–ligand interactions without secondary reagents, streamlining experimental design and reducing background.

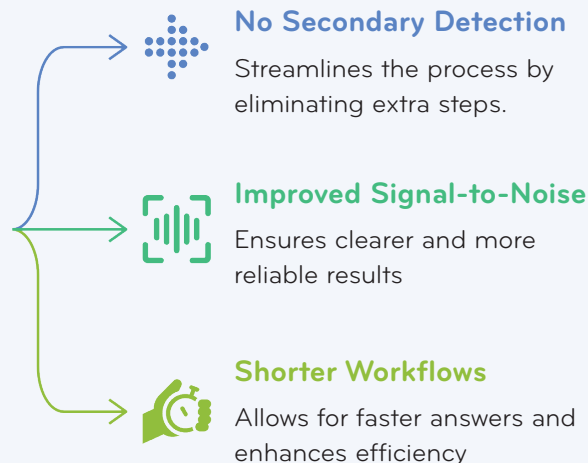
Common formats include:

- Multiple conjugated options, such as Biotin, PE, and APC
- Fluorescent recombinant receptors
- Custom-labeled proteins upon request

Designed for applications such as:

- Flow cytometric CAR-T characterization
- Ligand binding and competition assays
- Cell surface expression analysis
- Assay development and validation

KEY BENEFITS

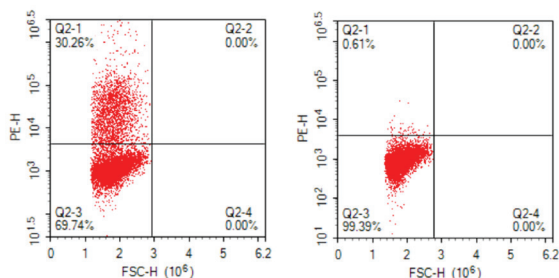


Protein Name	Species	Formats
Annexin A5	Human	APC, Biotin, FITC, PB, PE, Purified, iFluor 488, iFluor 647
B7-H5, SISP1, Gi24, VISTA	Human	APC, Biotin, PE, Purified
CD3-epsilon, T3E, TCRC, CD3E	Human	APC, Biotin, PE, Purified
CD4, CD4mut, LEU3	Human	APC, Biotin, PE, Purified
CD7, GP40, TP41, LEU-9, Tp40	Human	APC, Biotin, PE, Purified
CD8A, CD8, Leu2, MAL, p32	Human	APC, Biotin, PE, Purified
CD16A, FCGR3A, FCGR3, IGFR3	Human	APC, Biotin, PE, Purified
CD171, L1CAM	Human	APC, Biotin, PE, Purified
CD19, B4, CVID3	Human	APC, Biotin, PE, Purified
CD20, B1, Bp35, MS4A1	Human	APC, PE
CD22, SIGLEC2, BL-CAM	Human	APC, Biotin, PE, Purified
CD25, IL2RA, p55	Human	APC, Biotin, PE, Purified
CD25, IL2RA, p55	Cynomolgus monkey	APC, Biotin, PE, Purified
CD30, TNFRSF8, Ki-1	Human	APC, Biotin, PE, Purified
CD32a, FCGR2A, FCG2, FCGR2A1, IGFR2	Human	APC, Biotin, PE, Purified
CD32b/c, FCGR2B, C, FcRII-b, c, FCG2, IGFR2	Human	APC, Biotin, PE, Purified
CD33, SIGLEC3, gp67	Human	APC, Biotin, PE, Purified
CD38, T10, cADPr 1	Human	APC, Biotin, PE, Purified
CD64, FCGR1A, FCGR1, IGFR1	Human	APC, Biotin, PE, Purified
CD73, NT5E	Human	APC, Biotin, PE, Purified
CD80, B7-1, B7, BB1	Human	APC, Biotin, PE, Purified
CD86, B7-2, B70, CD28LG2	Human	APC, Biotin, PE, Purified
CD134, TNFRSF4, OX40, OX40L receptor	Cynomolgus monkey	APC, Biotin, PE, Purified

Protein Name	Species	Formats
CD134, TNFRSF4, OX40, OX40L receptor	Human	APC, Biotin, PE, Purified
CD134, TNFRSF4, OX40, OX40L receptor	Mouse	APC, Biotin, PE, Purified
CD137, TNFRSF9, 4-1BB	Human	APC, Biotin, PE, Purified
CD152, CTLA4	Human	APC, Biotin, PE, Purified
CD200, MOX1, MOX2, OX-2	Human	APC, Biotin, PE, Purified
CD200, MOX1, MOX2, OX-2	Mouse	APC, Biotin, PE, Purified
CD200R, CRTR2, MOX2R, OX2R	Human	APC, Biotin, PE, Purified
CD200R, CRTR2, MOX2R, OX2R	Mouse	APC, Biotin, PE, Purified
CD213A2, IL13RA2, IL-13R, IL13BP	Human	APC, Biotin, PE, Purified
CD269, TNFRSF17, BCMA	Human	APC, Biotin, PE, Purified
CD273, PDL2, Butyrophilin B7-DC	Human	APC, Biotin, PE, Purified
CD274, PD-L1, B7-H1, PDCD1L1, PDCD1LG1	Human	APC, Biotin, PE, Purified
CD279, PD1, PDCD1, SLEB2	Human	APC, Biotin, PE, Purified
CD326, EPCAM, TROP1, TACSTD1	Human	APC, Biotin, PE, Purified
CD340, HER2, HER-2, ERBB2, MLN19, NEU	Human	APC, Biotin, PE, Purified
CD357, TNFRSF18, AITR, GITR	Human	APC, Biotin, PE, Purified
EphA2	Human	APC, Biotin, PE, Purified
FOLR-1, FBP, FOLR, FRα	Human	APC, Biotin, PE, Purified
GPC3, GTR2-2, MXR7, SDYS, OC15	Human	APC, Biotin, PE, Purified
Mesothelin, MPF, MSLN	Human	APC, Biotin, PE, Purified
Pro-aerolysin, FLAER, AER	Aeromonas hydrophila	iFluor 488
SECTM1, K12	Human	APC, Biotin, PE, Purified
TROP2, TACSTD2, GA733-1, M1S1	Human	APC, Biotin, PE, Purified

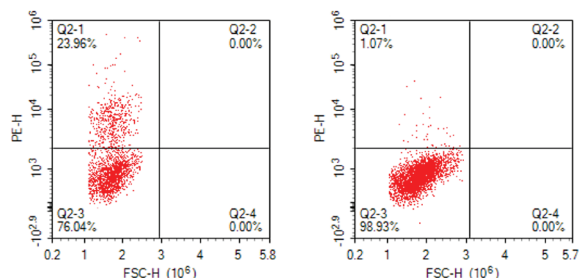
VALIDATION DATA

Anti-Her2 CAR-T Expression



CHO cells transfected with either Her2-specific CAR (left) or mock plasmid (right) were stained with PE conjugated Her2 (C-His) protein (Cat# 804402) at 1 µg/test.

Anti-PD1 CAR-T Expression



CHO cells transfected with either PD1-specific CAR (left) or mock plasmid (right) were stained with with PE conjugated PD1 (C-Fc) protein (Cat# 803302) at 1 µg/test.

ENZYMES, RECEPTORS, & FUNCTIONAL PROTEINS

InnoCyto offers a focused selection of recombinant enzymes, receptors, and functional proteins designed to support binding studies, activity assays, and assay development.

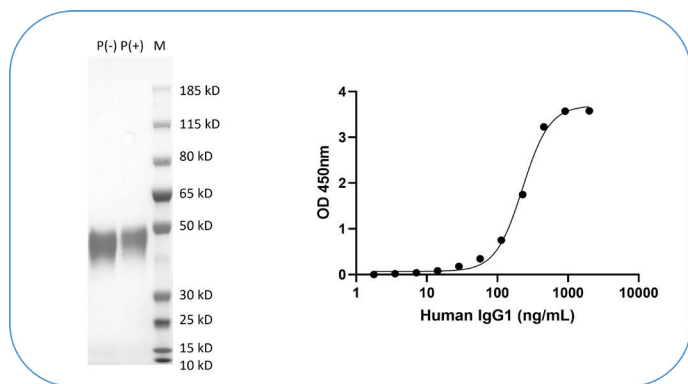
Representative protein types:

- Receptor ectodomains
- Fc-fusion proteins
- Enzymes for functional or signaling assays
- Structural and binding proteins

Used across workflows including:

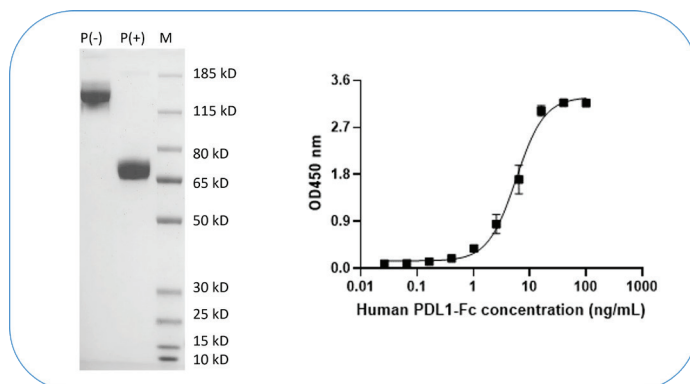
- Target validation
- Protein-protein interaction studies
- Enzymatic activity assays
- Custom assay development

CD16a Protein (C-His-Avi, 176V)



Left: Human CD16a protein (C-His-Avi, 176V), Cat#800202 on SDS-PAGE under reducing (P+) and non-reducing (P-) conditions. The gel was stained for 1 hr with BlinkBlue (Cat# 700102). Protein purity is greater than 95%. *Right:* Human CD16a protein (176V) is coated at 8 µg/mL (0.8 µg/well) for direct ELISA. Human IgG1 can bind human CD16a (176V) in a dose dependent manner. The ED₅₀ is about 100-400 ng/ml.

PD1 and PD-L1 Protein Binding



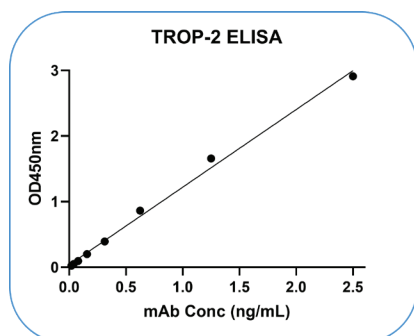
Left: Human PD-L1 Protein (C-Fc), Cat# 800902, on SDS-PAGE under reducing (P+) and non-reducing (P-) conditions. The gel was stained for 1 hr with BlinkBlue (catalog 700102). Protein purity is greater than 95%. *Right:* Streptavidin is immobilized at 2 µg/mL (100 µL/well), followed by incubation with biotinylated human PD-1 (C-His-Avi, Catalog #802803) at 0.5 µg/mL. A serial dilution of recombinant human PD-L1 (C-Fc) is then applied. Human PD-L1 (C-Fc) binds to the biotinylated human PD-1 protein in a dose-dependent manner.

RECOMBINANT PROTEIN PRODUCTS

Protein Name	Species	Format
ACE2, Angiotensin I converting Enzyme 2	Human	Biotin, HRP conjugated, Purified
BirA ligase	Escherichia coli	Purified
CD137L, TNFSF9, 4-1BB Ligand	Human	Purified
CD200, MOX1, MOX2, OX-2	Cynomolgus monkey	Purified
CD252, OX40L, TNFSF4, TXGP1, CD134 ligand	Cynomolgus monkey	Purified
CD252, OX40L, TNFSF4, TXGP1, CD134 ligand	Human	Purified
CD252, OX40L, TNFSF4, TXGP1, CD134 ligand	Mouse	Purified
CD274, PD-L1, B7-H1, PDCD1L1, PDCD1LG1	Rhesus monkey	Purified
FcRn, FCGRT & B2M	Human	Biotin, Purified
GM2A, Ganglioside GM2 activator	Human	Purified
Multi-tagged GST protein (Myc-Avi-V5-DYKDDDDK-HA-His)	Schistosoma japonicum	Purified
Galectin-3, LGALS3, MAC2, Gal-3	Cynomolgus monkey	Purified
Galectin-3, LGALS3, MAC2, Gal-3	Human	Purified
Galectin-3, LGALS3, MAC2, Gal-3	Mouse	Purified
Hexosaminidase A	Human	Purified
Hexosaminidase A, Hexosaminidase B	Human	Biotin, Purified

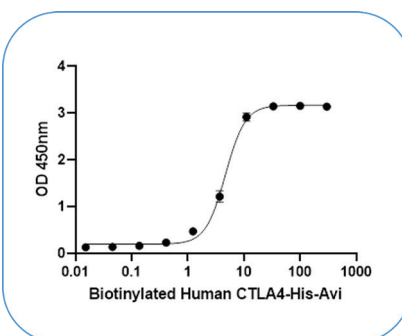
Protein Name	Species	Format
Hexosaminidase B	Human	Purified
Human IgG1-Fc protein	Human	Purified
Human IgG1-Fc with multiple tags (hlgG1-Fc-Myc-Avi-V5-DYKDDDDK-HA-His)	Human	Purified
Human IgM-Fc protein	Human	Purified
Notum, Palmitoleoyl-protein carboxylesterase	Cynomolgus monkey	Purified
Notum, Palmitoleoyl-protein carboxylesterase	Human	Purified
PPT1, Palmitoyl-protein thioesterase 1	Human	Purified
SARS-CoV2 RBD, Spike RBD Protein, RBD Protein	SARS-CoV-2	Biotin, Purified
SARS-CoV2 Spike Protein Trimer, Spike trimer	SARS-CoV-2	Purified
SARS-CoV2 Spike S1 Protein, S1 Protein	SARS-CoV-2	Biotin, Purified
SUMF1, Formylglycine-generating enzyme	Human	Purified
SURF1, Surfeit locus protein 1	Human	Purified
TIM3, HAVCR2, TIMD3, FLJ14428	Human	Biotin, Purified
TNFSF15, TL1A, VEGI	Human	Purified
TNFSF18, GITR Ligand, AITRL, TL6, GITRL	Human	Biotin, Purified

Human Trop2 Protein (C-His)



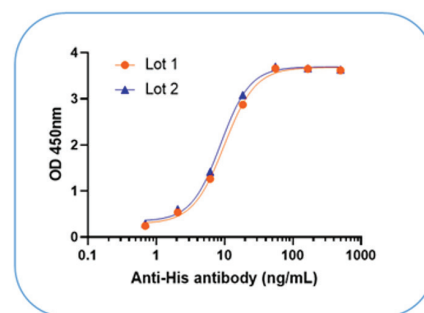
Human Trop2 protein (C-His), Cat#805802, is coated at 100 ng/well. Anti-Trop2 antibody can detect the Trop2 protein with a linear range of 0.02 -2.5 ng/mL.

B7-1 & CTLA-4 Proteins



Human B7-1 with Fc tag, Cat# 817002, is coated at 2 µg/mL (200 ng/well). Biotinylated human CTLA4 (C-His-Avi), Cat# 807804, can bind B7-1 in dose-dependent manner with the ED₅₀ of 3-10 ng/mL.

Multi-tagged GST Protein



Two different lots of GST Protein with multiple tags, Cat# 603904, are coated at 100 ng/mL (10 ng/well). Anti-His tag antibody (clone BR20M03, Cat# 300601) can detect the His tagged protein. For ELISA, this antibody can be used at 0.1 µg/mL for detection. Anti-mouse HRP is used as the secondary antibody.

For custom engineered proteins and antibodies, visit:
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InnoC_Yto



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