

# Product Review

Raw Materials for Immunoassay Development and Manufacturing

## Human Chorionic Gonadotropin (hCG)

### Purified hCG

Catalog No.	Product	Purity
C0714	hCG, Intact	≥99%
C0814	α-hCG	≥98%
C0914	β-hCG	≥98%

### hCG Monoclonals

Catalog No.	Immunogen	Clone No.	Subclass	Affinity Constant
MC085	α-hCG	BC005	IgG <sub>1</sub>	4.0 x 10 <sup>10</sup>
MC095	β-hCG	AC001	IgG <sub>1</sub>	1.0 x 10 <sup>10</sup>
MC097	β-hCG	BC001	IgG <sub>1</sub>	2.0 x 10 <sup>10</sup>

### hCG Polyclonals

Catalog No.	Immunogen	Host Animal	Purification Method
GC079	hCG, Intact	Goat	Immunoaffinity chromatography
GC089	α-hCG	Goat	Immunoaffinity chromatography
GC099	β-hCG	Goat	Immunoaffinity chromatography

### Antibody Pairs for Immunoassay Development

The following myoglobin antibodies are recommended for the development of a lateral-flow, chromatographic-type immunoassay for the detection of hCG:

Capture Antibody	Trapping Antibody
Goat anti hCG GC079	β-hCG MAb BC001
Goat anti α-hCG GC089	β-hCG MAb BC001
Goat anti β-hCG GC099	β-hCG MAb BC001

### PURIFIED HCG

Scripps scientists have worked diligently to develop purification methods for intact hCG and its subunits that maximize the molecule's immunological activity. As a result, Scripps Laboratories consistently produces hCG with excellent specific activity.

If you're looking for a consistent supplier of purified hCG, α-hCG, or β-hCG for the development and production of an hCG immunoassay, look to Scripps. We've been doing it for over 20 years!

### HCG ANTIBODIES

Scripps has bulk quantities of monoclonal and polyclonal antibodies to intact hCG, α-hCG, and β-hCG. Many pairs are available for ELISA or lateral-flow immunoassay development. These projects are mature and producing large volumes of antibody.