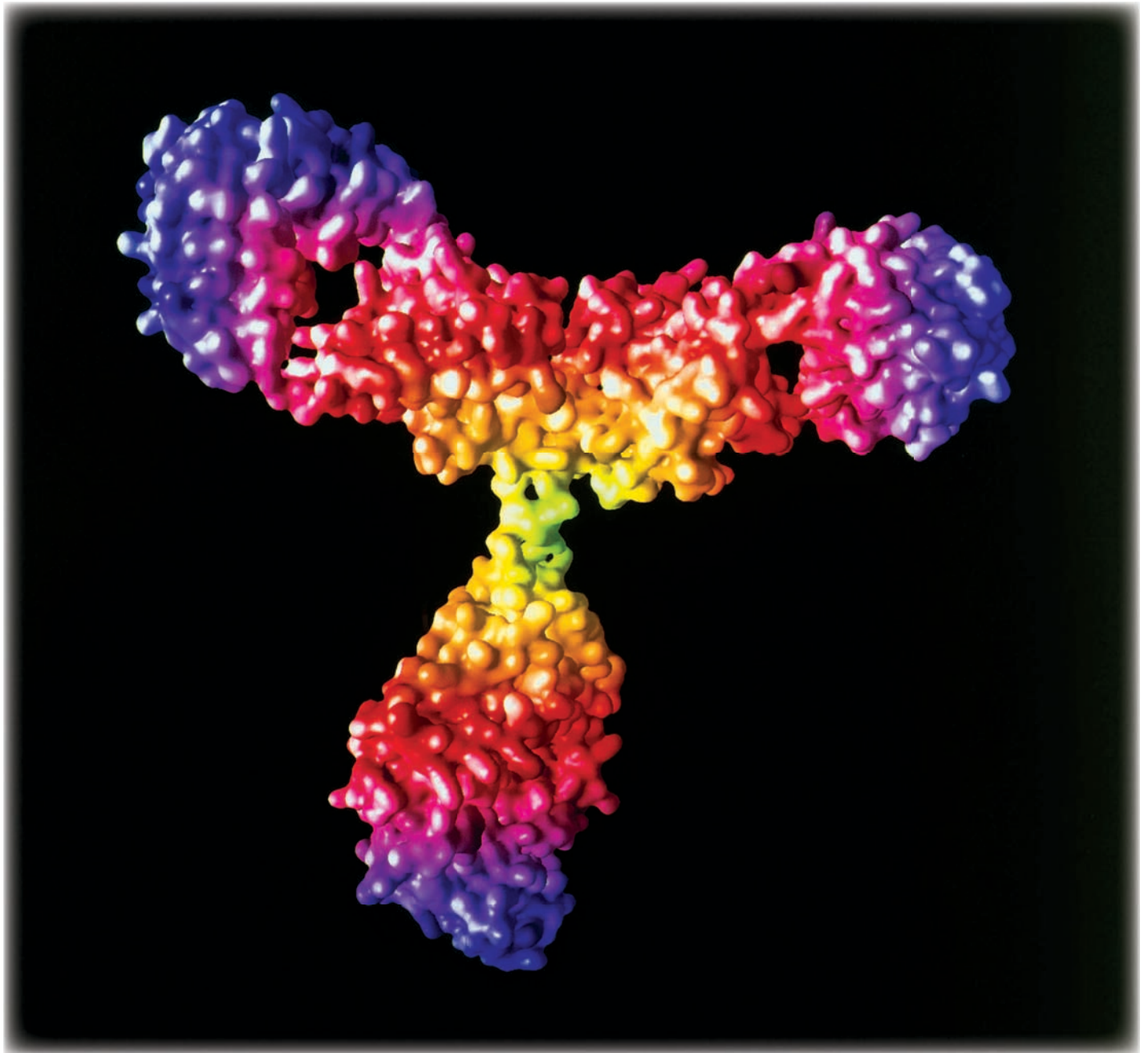




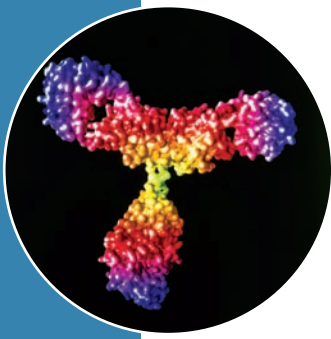
**Leinco  
Technologies, Inc.**



**Low Endotoxin  
Functional Formulation  
Monoclonal Antibodies**

*excellence in early discovery research™*

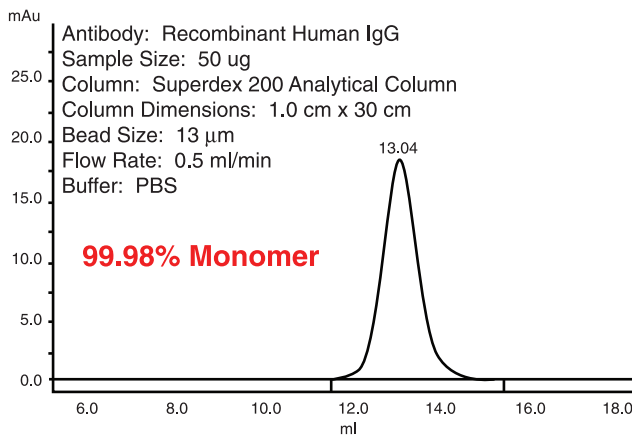
# Low Endotoxin Functional Formulation Monoclonal Antibodies



## Ensure the Data Generated is Valid by Using Leinco Technologies' Low Endotoxin Functional Formulation Monoclonal Antibodies

**Leinco Technologies** has developed an extensive technology tool box for the manufacturing of monoclonal antibodies for *in vitro* cellular base experiments or *in vivo* functional studies in animal models. To obtain valid data when conducting such experiments, use monoclonal antibody preparations that have been manufactured using a validated method resulting in authentic Low Endotoxin Functional Formulation Antibodies. Our proprietary techniques ensure that your monoclonal antibodies are suitable for animal injection or cell based experimentation. Functional Formulation Monoclonal Antibodies are available from our early discovery research products catalog or may be custom manufactured for your specific needs.

### Determination of Percent Aggregates Using Analytical Size Exclusion Chromatography



### Potential Effects of Antibody Aggregates

- Hypersensitivity or Anaphylaxis
- Decreased Biological Activity
- Renal, Heart and other Organ Failure
- Activation of Receptors Attempting to Block
- Diminished Overall Efficacy of the Antibody

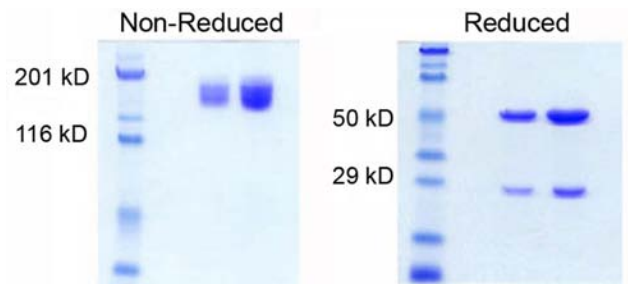
### Determination of Endotoxin Units/mg Purified Antibody by LAL Gel Clot Method

**< 0.06 EU/mg**

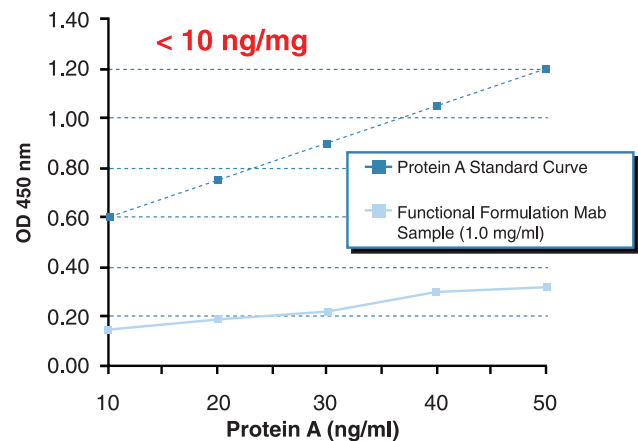
### Potential Effects of Endotoxin

- Activation of Immune Cascades Leading to Inflammation and Hypotension
- Metabolic Acidosis

### Determination of Purity by SDS-PAGE



### Determination of Leached Protein A by ELISA



### Potential Effects of Leached Protein A

- Anaphylaxis
- Antibody Aggregation
- False Positives in Immuno Assays

# Surface Tag™ CD Markers

PRODUCT NUMBER	DESCRIPTION	CLONE
C365	Anti-Human CD2 Low Endotoxin Functional Formulation	G11
C364	Anti-Human CD3 Low Endotoxin Functional Formulation	UCHT-1
C367	Anti-Human CD4 Low Endotoxin Functional Formulation	RPA-T4
C366	Anti-Human CD8 Low Endotoxin Functional Formulation	UCHT-4
C373	Anti-Human CD11a (LFA-1 $\alpha$ Subunit Integrin $\alpha$ M $\beta$ 2) Low Endotoxin Functional Formulation	38
C368	Anti-Human CD11b (Mac-1 Integrin $\alpha$ M $\beta$ 2) Low Endotoxin Functional Formulation	44
C369	Anti-Human CD11c (gp 150/95) Low Endotoxin Functional Formulation	3.9
C370	Anti-Human CD14 (Monocytes) Low Endotoxin Functional Formulation	UCHM-1
C372	Anti-Human CD54 (ICAM-1) Low Endotoxin Functional Formulation	15.2
C374	Anti-Human CD56 (NCAM) Low Endotoxin Functional Formulation	ERIC-1
C371	Anti-Human CD71 (Transferrin Receptor) Low Endotoxin Functional Formulation	T56/14

## Cytokine Antibodies

I-443	Anti-Human Interferon Gamma (IFN $\gamma$ ) R $\alpha$ Chain Low Endotoxin Functional Formulation	GIR-208
T352	Anti-Mouse $\gamma/\delta$ T-Cell Receptor (TCR) Low Endotoxin Functional Formulation	UC7-13D5
C1194	Anti-Mouse CD25 (IL-2 Receptor $\alpha$ ) Low Endotoxin Functional Formulation	PC61
T250	Anti-Mouse CD120 $\alpha$ (TNFR1) Low Endotoxin Functional Formulation	55R-170
T245	Anti-Mouse CD120 $\alpha$ (TNFR1) Low Endotoxin Functional Formulation	55R-593
T254	Anti-Mouse CD120 $\beta$ (TNFR2) Low Endotoxin Functional Formulation	TR75-54.7
I-428	Anti-Mouse IL-1 $\alpha$ Low Endotoxin Functional Formulation	ALF-161
I-437	Anti-Mouse IL-1 $\beta$ Low Endotoxin Functional Formulation	B122
I-401	Anti-Mouse Interferon $\alpha/\beta$ Receptor (IFNAR1) Low Endotoxin Functional Formulation	MAR1-5A3
I-439	Anti-Mouse Interferon Beta (IFN $\beta$ ) Low Endotoxin Functional Formulation	MIB-5E9.1

## Isotype Control Antibodies

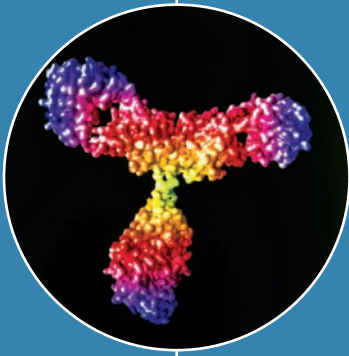
I-140	Armenian Hamster IgG Low Endotoxin Functional Formulation	PIP
I-117	Mouse IgG <sub>1</sub> Low Endotoxin Functional Formulation	N/A
I-118	Mouse IgG <sub>2a</sub> Low Endotoxin Functional Formulation	N/A
I-119	Mouse IgG <sub>2b</sub> Low Endotoxin Functional Formulation	N/A
I-120	Mouse IgG <sub>3</sub> Low Endotoxin Functional Formulation	N/A

## Custom Preparations Available

To learn about Leinco Technologies' custom biotechnology services and products, please visit us at [www.Leinco.com](http://www.Leinco.com).



\*\*\*For specific information on each antibody please visit [www.Leinco.com](http://www.Leinco.com)\*\*\*



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