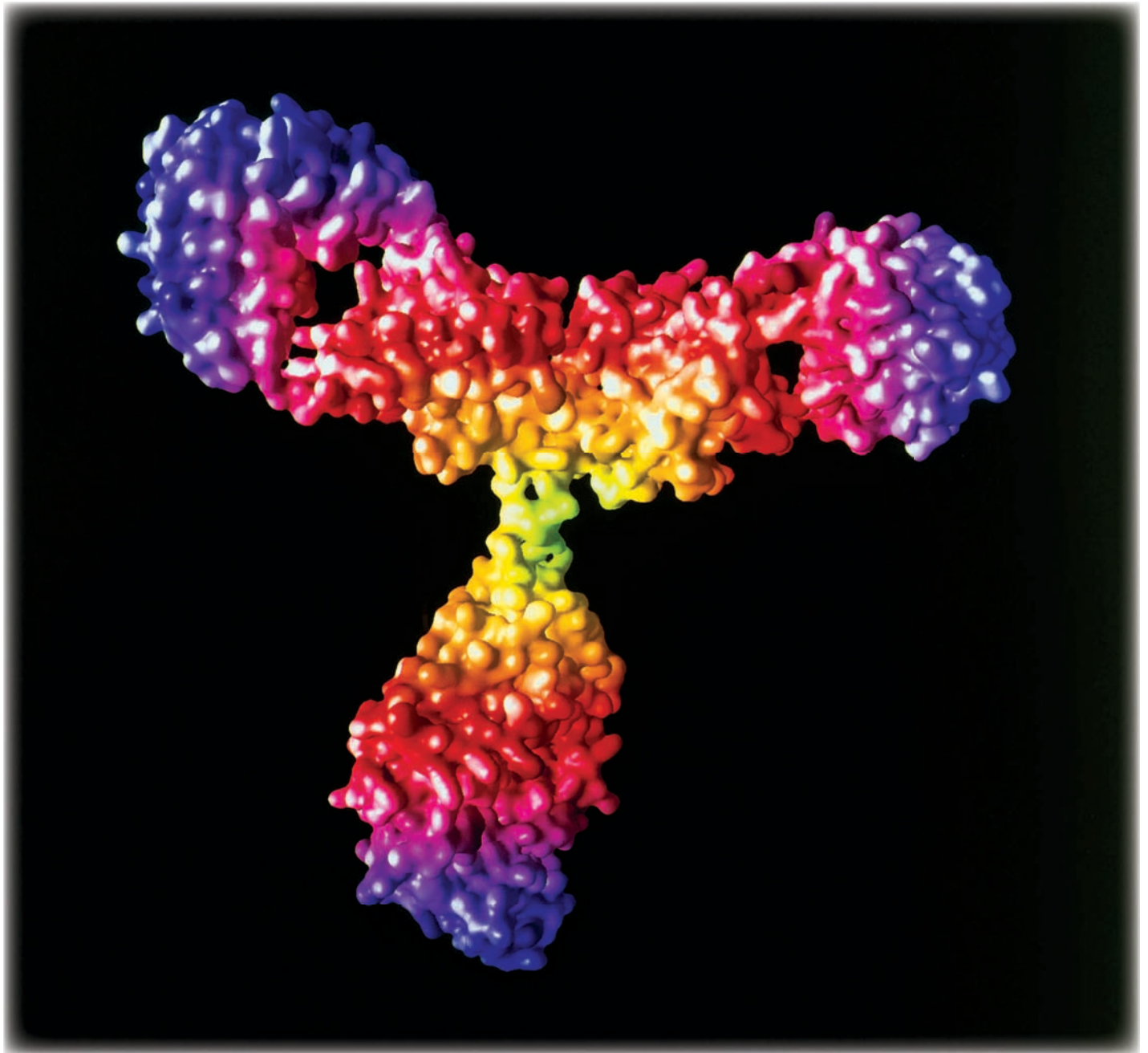




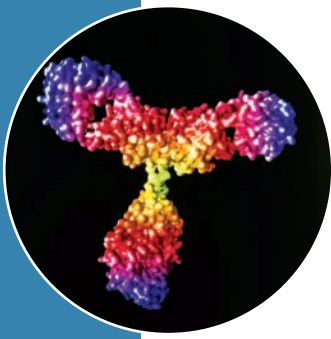
**Leinco
Technologies, Inc.**



**Low Endotoxin
Functional Formulation
Monoclonal Antibodies**

excellence in early discovery research™

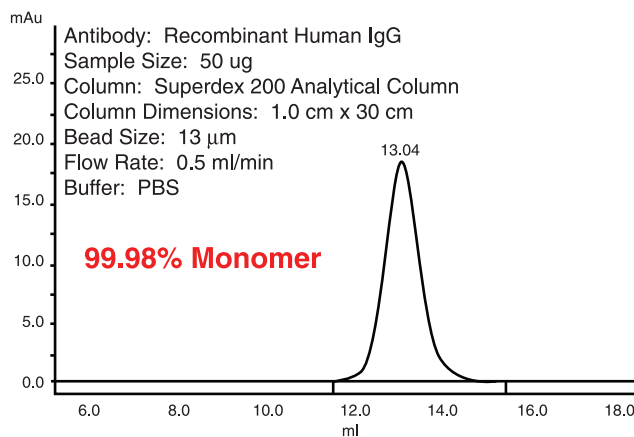
Low Endotoxin Functional Formulation Monoclonal Antibodies



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

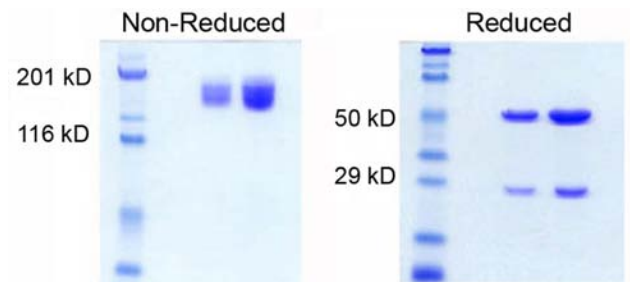
Determination of Endotoxin Units/mg Purified Antibody by LAL Gel Clot Method

< 0.06 EU/mg

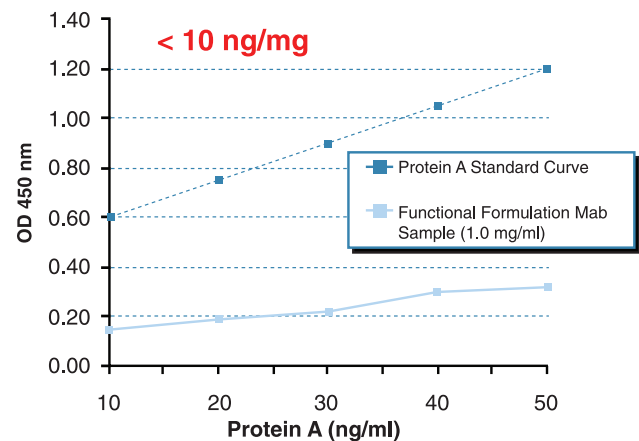
Potential Effects of Endotoxin

- 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 α Subunit Integrin α M β 2) Low Endotoxin Functional Formulation | 38 |
| C368 | Anti-Human CD11b (Mac-1 Integrin α M β 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 γ) R α Chain Low Endotoxin Functional Formulation | GIR-208 |
| T352 | Anti-Mouse γ/δ T-Cell Receptor (TCR) Low Endotoxin Functional Formulation | UC7-13D5 |
| C1194 | Anti-Mouse CD25 (IL-2 Receptor α) Low Endotoxin Functional Formulation | PC61 |
| T250 | Anti-Mouse CD120 α (TNFR1) Low Endotoxin Functional Formulation | 55R-170 |
| T245 | Anti-Mouse CD120 α (TNFR1) Low Endotoxin Functional Formulation | 55R-593 |
| T254 | Anti-Mouse CD120 β (TNFR2) Low Endotoxin Functional Formulation | TR75-54.7 |
| I-428 | Anti-Mouse IL-1 α Low Endotoxin Functional Formulation | ALF-161 |
| I-437 | Anti-Mouse IL-1 β Low Endotoxin Functional Formulation | B122 |
| I-401 | Anti-Mouse Interferon α/β Receptor (IFNAR1) Low Endotoxin Functional Formulation | MAR1-5A3 |
| I-439 | Anti-Mouse Interferon Beta (IFN β) Low Endotoxin Functional Formulation | MIB-5E9.1 |

Isotype Control Antibodies

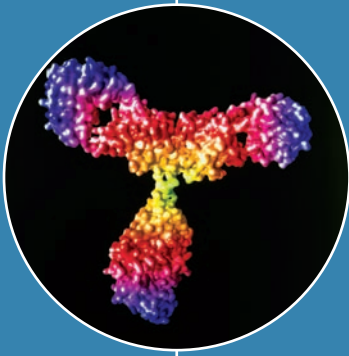
| | | |
|-------|--|-----|
| I-140 | Armenian Hamster IgG Low Endotoxin Functional Formulation | PIP |
| I-117 | Mouse IgG ₁ Low Endotoxin Functional Formulation | N/A |
| I-118 | Mouse IgG _{2a} Low Endotoxin Functional Formulation | N/A |
| I-119 | Mouse IgG _{2b} Low Endotoxin Functional Formulation | N/A |
| I-120 | Mouse IgG ₃ 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.



For specific information on each antibody please visit www.Leinco.com



excellence in early discovery research™

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