



Biotherapeutics

The Ricerca Biosciences Biotherapeutics Group prides itself on being able to offer clients a broad evaluation of immunotoxicity endpoints. With expertise in commercial kit ELISA assays, custom ELISA assays, and flow cytometry, the group provides clients with customized assay development and validation services supporting both preclinical studies and early clinical studies; specialties include:

ELISA

Kidney injury

- Alpha glutathione S-transferase (α GST)
- Glutathione S-transferase Yb1 (GSTYb1)
- Kidney injury molecule-1 (KIM-1)
- Neutrophil gelatinase-associated lipocalin (NGAL)

T-cell Dependent Antibody Response (TDAR)

- Keyhole limpet hemocyanin (KLH)

Test article-specific

- Immunogenicity
- Anti-drug antibody
- Pharmacokinetic
- Toxicokinetic

Cytokines/chemokines/inflammatory markers

- Alpha-2 macroglobulin (A2M)
- Beta-thromboglobulin (β -thromboglobulin)
- Interferon gamma (IFN γ)
- Interleukin-1 beta (IL-1 β)
- Interleukin-6 (IL-6)
- Interleukin-8 (IL-8)
- Nitric oxide (NO)
- Prostaglandin E2 (PGE2)
- Thromboxane B2 (TXB-2)
- Tumor necrosis factor-alpha (TNF α)

Steroid/hormone

- Testosterone

FLOW CYTOMETRY

Non-human primate immunophenotyping

- CD3 (T cells)
- CD4 (T helper cells)
- CD8 (Cytotoxic T cells)
- CD16 (NK cells)
- CD20 (B cells)

Rat immunophenotyping

- CD3 (T cells)
- CD4 (T helper cells)
- CD8a (Cytotoxic T cells)
- CD45RA (B cells)
- CD161a (NK cells)

Canine immunophenotyping

- CD5 (T cells)
- CD21 (B cells)
- CD45 (Leukocytes)

Ricerca Biosciences employees have one goal in mind – to meet your next milestone on time with quality.

Ricerca Biosciences advantage

- Comprehensive toxicology services
- International recognition by AAALAC for commitment to animal welfare
- Specialized regulatory and scientific expertise
- Speed and flexibility

