Leinco Technologies, Inc.
excellence in early discovery research™

Anti-Mouse CTLA-4 (CD152)
Purified *in vivo* GOLD™ Functional Grade
Monoclonal Antibody

Product Information
Product No.: C2860
Clone: UC10-4F10-11
RRID: AB_2829616
Isotype: Armenian Hamster IgG1 κ
Storage: Sterile 2-8°C

Product Description
Specificity
Clone UC10-4F10-11 recognizes an epitope on mouse CTLA-4.
Antigen Distribution
CTLA-4 is expressed on activated T and B lymphocytes.
Background
CTLA-4 is a 33 kD member of the Ig superfamily similar to CD28 in amino acid sequence, structure, and genomic organization. CTLA-4 is a protein receptor that functions as an immune checkpoint and downregulates immune responses. It is involved in the development of protective immunity and thymocyte regulation, in addition to the induction and maintenance of immunological tolerance. CTLA-4 has therapeutic potential both as an agonist to reduce immune activity, and an antagonist to increase immune activity.
Known Reactivity Species
Mouse
Format
in vivo GOLD™, Purified in vivo Functional Grade
Immunogen
Purified Recombinant Mouse CTLA4 Fc Fusion Protein
Formulation
This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.
Purity
≥95% monomer by analytical SEC, >95% by SDS Page
Endotoxin
< 1.0 EU/mg as determined by the LAL method
Storage and Stability
Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C. **Avoid Repeated Freeze Thaw Cycles.**
Product Preparation
Functional grade preclinical antibodies are manufactured in an animal free facility using *in vitro* cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.
Country of Origin
USA

Products are for research use only. Not for use in diagnostic or therapeutic procedures.