

# Product Datasheet

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## Anti-Mouse CTLA-4 Purified *in vivo* PLATINUM™ Functional Grade Monoclonal Antibody

### Product Information

**Product No.:** C2856  
**Clone:** 9D9  
**RRID:** AB\_2829611  
**Isotype:** Mouse IgG2b  
**Storage:** Sterile 2-8°C

### Product Description

#### Specificity:

Clone 9D9 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:

Purified *in vivo* Functional Grade, *in vivo* PLATINUM™

#### Immunogen:

Not Available

#### 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

≥98% monomer by analytical SEC, >95% by SDS Page

#### Endotoxin

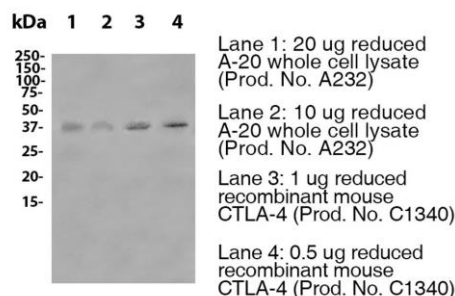
<0.5 EU/mg as determined by the LAL method

#### 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.



Primary: anti-mouse CTLA-4 antibody (9D9) at 8 ug/ml (Prod. No. C2856)

Secondary: HRP labeled goat anti-mouse at 1:1000 dilution (Prod. No. M114)

Predicted band size: 33-43 kDa

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

410 Axminister Dr, St. Louis, MO 63026

(800) 538-1145

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## Pathogen Testing

To protect mouse colonies from infection by pathogens and to assure that experimental preclinical data is not affected by such pathogens, all of Leinco's Purified Functional PLATINUM™ antibodies are tested and guaranteed to be negative for all pathogens in the IDEXX IMPACT I Mouse Profile.

## Country of Origin

USA

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