

## Mouse CTLA-4 Antibody

Purified *in vivo* GOLD™ Functional Grade  
Monoclonal Antibody

### Product Information

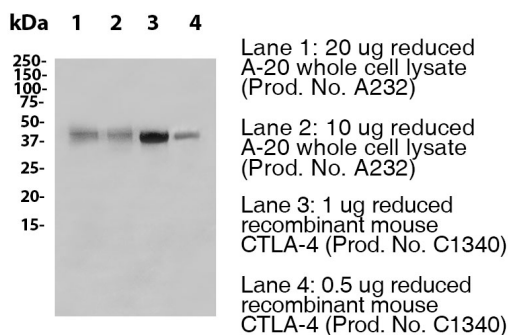
**Product No.:** C1614

**Clone:** 9H10

**RRID:** AB\_2737453

**Isotype:** Syrian Hamster IgG

**Storage:** Sterile 2-8°C



Primary: anti-mouse CTLA-4 antibody (9H10) at 8 ug/ml (Prod. No. C1614)

Secondary: HRP labeled goat anti-syrian hamster at 1:1000 dilution (Prod. No. S221)

Predicted band size: 33-43 kDa

### Product Description

#### Specificity:

Clone 9H10 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* GOLD™ Functional Grade

#### Immunogen:

Mouse CTLA-4-human IgG1 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

**References**

1.) Wurster S. *et al.* (2020) *The Journal of Infectious Diseases* **222**(6):1989–994 [Journal Link](#)