

Product Datasheet

www.leinco.com



Anti-Mouse CD86 (Clone GL1) Purified *in vivo* GOLD™ Functional Grade Monoclonal Antibody

Product Information

Product No.: C2158
Clone: GL1
RRID: AB_2749827
Isotype: Rat IgG2a κ
Storage: Sterile 2-8°C

Product Description

Specificity:

Clone GL-1 recognizes an epitope on mouse CD86.

Antigen Distribution:

CD86 is expressed on activated B and T cells, macrophages, dendritic cells, and astrocytes.

Background:

CD86 is an 80kD Ig superfamily member that is involved in immunoglobulin class-switching and activation of NK cell-mediated cytotoxicity. CD80 is closely related to, and works in tandem with CD86 to prime T- cells. CD86 is expressed earlier in the immune response than CD80. The ligation of CD28 on T cells with CD80 and CD86 on APCs co-stimulates T cells resulting in enhanced cell activation, proliferation, and cytokine production. CD86 can also bind to CTLA-4 to deliver an inhibitory signal to T cells.

Known Reactivity Species:

Mouse

Format:

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

Immunogen:

LPS-activated CBA/Ca mouse splenic B cells

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

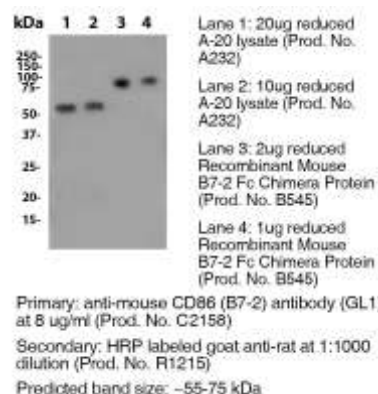
Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at ≤ -70°C. **Avoid Repeated Freeze Thaw Cycles.**

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.

410 Axminster Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com

Product Datasheet

www.leinco.com



References

1. Hathcock, K.S. *et al.* (1993) *Science* 262(5135):905-7
- 2.) Gubin, M. *et al.* (2018) *Cell*. **175**(4):1014–1030.e19 [Journal Link](#)

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

410 Axminster Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com