

Product Datasheet

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Anti-Mouse CD80

Purified Monoclonal Antibody

Product Information

Product No.: C2044
Clone: 16-10A1
RRID: AB_2829122
Isotype: Armenian Hamster IgG
Storage: Sterile 2-8°C

Product Description

Specificity:

Clone 16-10A1 recognizes an epitope on mouse CD80.

Antigen Distribution:

CD80 is expressed on activated B cells, monocytes/macrophages, and dendritic cells.

Background:

CD80 is a highly glycosylated 60 kD protein that is part of the Ig superfamily and is significantly involved in immune cell activation in response to pathogens. CD80 is closely related to, and works in tandem with CD86 (B7-2) to prime T- cells. CD80 binds to CTLA-4 to deliver an inhibitory signal to T cells. 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. It is thought that CD80 interacts with a ligand on Natural Killer cells, activating the Natural Killer cell-mediated cell death of the CD80 carrier. The activation of Natural Killer cell-mediated death via CD80 interactions has potential as a possible cancer immunotherapy through the induction of CD80 expression on tumor cells.

Known Reactivity Species:

Mouse

Format:

Purified

Immunogen:

Purified Recombinant Mouse CD80 (>98%)

Formulation

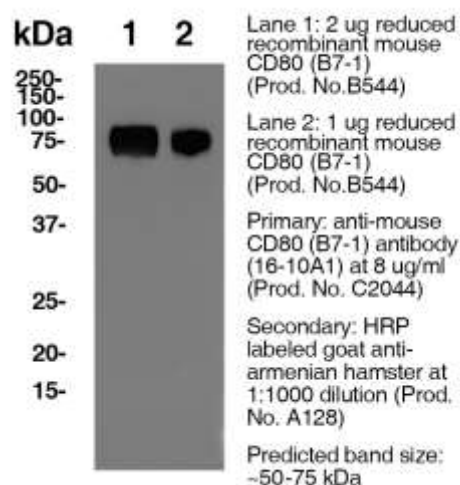
This purified antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

Storage and Stability

This purified antibody is stable when stored at 2-8°C. **Do not freeze.**

Country of Origin

USA



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

410 Axminister Dr, St. Louis, MO 63026

(800) 538-1145

leincoglobal@leinco.com