

Product Data Sheet

Purified anti-mouse CD276 (B7-H3)

Catalog # / Size: 124501 / 50 µg

Clone: RTAA15

Isotype: Rat IgG2a, κ

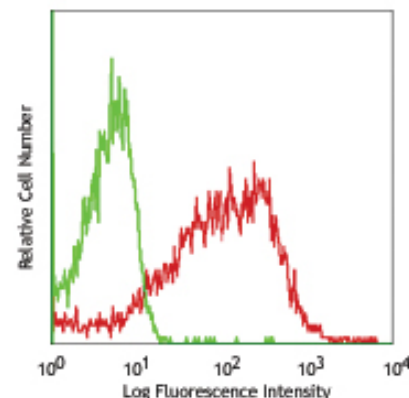
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Thioglycolate-elicited Balb/c mouse peritoneal macrophages stimulated with LPS for 24 hours and then stained with purified RTAA15, followed by biotinylated anti-rat IgG biotin and Sav-PE

Applications:

Applications: FC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10^6 cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Xu J, *et al.* 2006. *Cellular and Molecular Immunology*. 3(3):235
 2. Prasad D.V.R. 2004. *J.Immunology*.173:2500

Description: B7-H3 is a member of the B7 gene family. It has 88% amino acid sequence identity with human B7-H3. It is mostly expressed on professional APCs, including B cells, macrophages, and dendritic cells. Its expression on dendritic cells appears to be up-regulated by LPS. B7-H3 protein inhibits T cell activation and cytokine production. It was reported that monoclonal antibody against B7-H3 enhanced T cell proliferation in vitro and led to exacerbated EAE in vivo. Therefore, B7-H3 may be a negative regulator on T cell activation and function.

Antigen References: 1. Sun M *et al.* 2002. *J. Immunology*. 168:6294
 2. Xu J *et al.* 2006. *Cellular and Molecular Immunology*. 3(3):235

Related Products:

Product
 Purified Rat IgG2a, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 RTK2758

Application

FC, ICC, IF, IHC, IP, WB
 FC, ICC, ICFC
 FC, ICFC



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