Purified Anti-Mouse CD1d Antibody[19G11]

catalog number: **E-AB-F1032A**

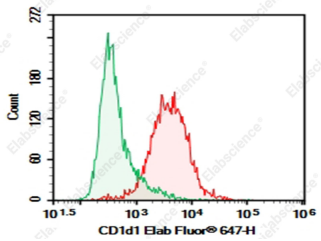
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse CD1d protein
Host	Rat
Isotype	Rat IgG1, κ
Clone	19G11
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume

Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg Purified Anti-Mouse CD1d Antibody[19G11] (Right) and 0.2 μg Rat IgG2b, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Rat IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

Background

CD1d is a type I transmembrane protein and member of the MHC family, with a molecular weight ranging from 43-49 kD, depending on the glycosylation degree. CD1d is expressed by antigen presenting cells such as dendritic cells, monocytes, macrophages and B cells; also expressed by thymocytes and intestinal epithelial cells. CD1d present glycolipids to iNKT cells that recognize them by their Vα14i TCR.

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