

Purified Anti-Mouse CD1d Antibody[19G11], Functional Grade

catalog number: E-AB-F10320

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

Description

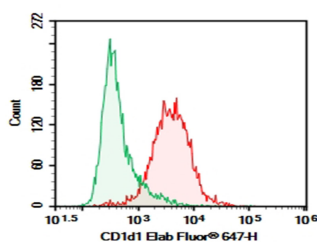
| | |
|---------------------|---|
| Reactivity | Mouse |
| Immunogen | Recombinant Mouse CD1d protein |
| Host | Rat |
| Isotype | Rat IgG1, κ |
| Clone | 19G11 |
| Purification | >98%, Protein A/G purified |
| Buffer | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method. |

Applications

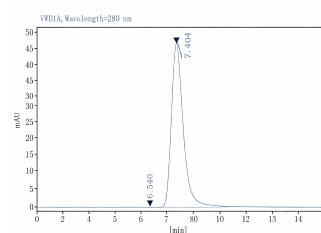
Recommended Dilution

| | |
|-------------|--|
| FCM | $\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume |
| Neut | Reported in the literature |

Data



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



Monomer purity $\geq 95\%$ as determined by analytical size-exclusion chromatography (SEC)

Preparation & Storage

| | |
|-----------------|--|
| Storage | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions. |
| 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 V α 14i TCR.

None (Azide-Free, Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

Application References

For Research Use Only

Torsten Olszak, et al. Nature. 2014 May 22;509(7501):497-502.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V2.3