BioLegend
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Product Data Sheet

Purified anti-human CD166

Catalog # / Size: 343901 / 25 µg
343902 / 100 µg

Clone: 3A6

Isotype: Mouse IgG1, κ

Immunogen: Cultured human thymic epithelial cells

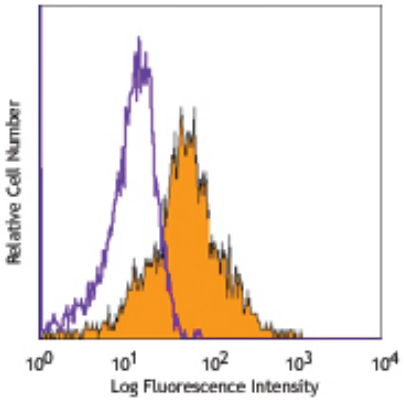
Reactivity: Human, does not cross react with mouse

Preparation: The antibody was purified by affinity chromatography.

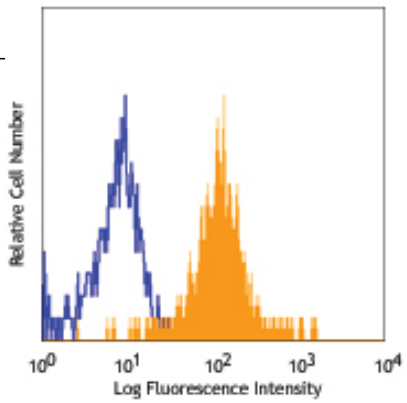
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

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



PHA-stimulated human peripheral blood lymphocytes (3 days) stained with purified 3A6 conjugated to PE



Human peripheral blood monocytes stained with purified 3A6 conjugated to 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 ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CD166, also known as the CD6 ligand or the Activated Leukocyte Cell Adhesion Molecule (ALCAM), is a 100-105 kD transmembrane glycoprotein. It belongs to the Ig superfamily of proteins and expressed on activated T cells, activated monocytes, epithelial cells, fibroblasts, and neurons. CD166 plays an important role in mediating adhesion interactions between thymic epithelial cells and CD6+ cells during intrathymic T cell development. Recently CD166 has also been used as a potential cancer stem cell marker. The antibody reacts with human activated leukocyte cell adhesion molecule (ALCAM).

Antigen References:
1. Aruffo A, *et al.* 1997. *Immunol Today.* 18(10):498
2. Patel DD, *et al.* 1995. *J. Exp. Med.* 181:2213
3. Bowen MA, *et al.* 1995. *J. Exp. Med.* 181:1563
4. Horst D, *et al.* 2009. *Cancer Invest.* 22:1

Related Products:

Product	Clone	Application
Purified Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC, ICC, IF, IHC, IP, WB
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC

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