



Category: Monoclonal Antibodies **Cat. #** 1107NF- V6079 **Product Name:** CD1a(Clone CBT6), purified, anti-human

Description:

At least five CD1 genes (CD1a, b, c, d, and e) are identified. CD1 is expressed on cortical thymocytes, Langerhans cells, and dendritic cells. It is absent on mature peripheral blood T cells but intracytoplasmic expression is detected on activated T lymphocytes. CD1 proteins have been demonstrated to restrict T-cell response to non-peptide lipid and glycolipid antigens and play a role in non-classical antigen presentation.

Immunogen:

human thymocytes

Cellular Localization:

cell membrane and cytoplasmic

Application:

IHC (Acetone fixed) (5-10 micrograms/ml 30 Mins RT)

Species Reactivity:

human, others-not tested

Recommended Positive Control:

Human thymus

Epitope:

not determined

Presentation:

50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

Aliquoting Instructions:

GENERAL INFO: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. When diluting for immunohistochemistry, ELISA or western blot, make the dilution in Primary Antibody Diluting Buffer. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

Antibody Form:

Purified

Reactivity:

This antibody reacts with CD1a expressed on cortical thymocytes and dendritic cells. CD1a will disappear at later stages of maturation.

Specificity:

This antibody specifically binds CD1a, a 49 kD transmembrane glycoprotein.

Storage:

Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.5ml

Clone: B483(CBT6)

Isotype: IgG1,k

Host: mouse

Form: purified

Mol. Wt. of Antigen: 49 kD

Concentration: 0.2 mg/0.5ml

Units On Hand: yes

References:

Crispe N and Mehal WZ Immunol. today, 17:522-525, 1996

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