



**Category:**  
Monoclonal Antibodies

**Cat. #**  
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

**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.

**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:** 0.2mg

**Clone:** B483(CBT6)

**Isotype:** IgG1,k

**Host:** mouse

**Form:** purified

**Mol. Wt. of Antigen:** 49 kD

**Concentration:** 0.5 mg/ml

**Units On Hand:** yes

**References:**

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

**For Research Use Only**

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