

Product Data Sheet

Cat # AB-20610

Mouse Anti-Human CD1A (T6, LEU6) IgG

**Size:** 100ug

**Synonyms:**

T-cell surface antigen T6/Leu-6, hTa1 thymocyte antigen, R4, T6; CD1, FCB6, HTA1

**Type:**

Mouse Anti Human Monoclonal

**Introduction:**

CD1a is a transmembrane glycoproteins, which is structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. CD1a mediates the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to the plasma membrane and to recycling vesicles of the early endocytic system. Alternatively spliced transcript variants have been observed, but their biological validity has not been determined.

**Immunogen:**

Purified human PBL T cells

**Ig Subclass:**

Mouse IgG1. Clone: hCD1a, purified by ion exchange, 1mg/mL in PBS after reconstitution, Reconstitute with of H2O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use. Staining antibody. For staining, use 10 µl/106 cells. This antibody recognizes human thymocytes

**Storage Procedures:**

Lyophilized: store at 4oC. After reconstitution, if not intended for use within a month, aliquot and store at -20oC.

**Stability / Shelf Life:**

Two years lyophilized, one month in solution at 4oC.

**Usage:**

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage..

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