

Product datasheet for **TA320243**

CD1 (CD1A) Mouse Monoclonal Antibody [Clone ID: HI149]

Product data:

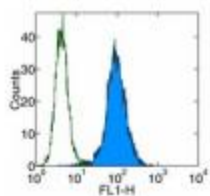
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|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | HI149 |
| Applications: | FC |
| Recommended Dilution: | Flow, IHC |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Formulation: | Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer |
| Concentration: | lot specific |
| Purification: | Affinity purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | CD1a molecule |
| Database Link: | NP_001754 Entrez Gene 909 Human P06126 |

Background: The HI149 monoclonal antibody reacts with human CD1a, a 49 kDa protein expressed by cortical thymocytes and dendritic cells including Langerhans cells. The CD1 family of proteins share some structural and functional characteristics with the MHC class I molecules; however, members of the CD1 family are not polymorphic. Similar to MHC class I, CD1a associates with the beta2-microglobulin and is thought to play a role in antigen presentation.

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|--------------------------|---------------------------------|
| Synonyms: | CD1; FCB6; HTA1; R4; T6 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Hematopoietic cell lineage |



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Product images:

Staining of MOLT-4 cell line with 0.5 ug of Mouse IgG1 K Isotype Control Purified (open histogram) or Anti-Human CD1a Purified (filled histogram) followed by Anti-Mouse FITC. Total viable cells were used for the analysis.