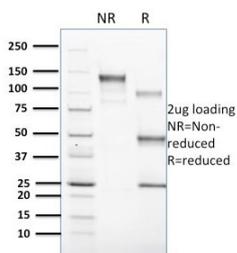


CD1c Antibody [clone CD1C/1603] (V8194)

| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V8194-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8194-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8194SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | CD1C/1603 |
| Purity | Protein G affinity chromatography |
| UniProt | P29017 |
| Applications | ELISA (order BSA-free Format For Coating) : |
| Limitations | This CD1c antibody is available for research use only. |



SDS-PAGE analysis of purified, BSA-free CD1c antibody (clone CD1C/1603) as confirmation of integrity and purity.

Description

The CD1 multigene family encodes five forms of the CD1 T-cell surface glycoprotein in human, designated CD1A, 1B, 1C, 1D and 1E. CD1, a type 1 membrane protein, has structural similarity to the MHC class I antigen and has been shown to

present lipid antigens for recognition by T lymphocytes. CD1 antigens are associated with β -2-Microglobulin and expressed on cortical thymocytes, Langerhans cells, a B cell subset and some dendritic cells. Specifically, CD1A is a marker for Langerhans cell histiocytosis (LCH) and is found on interdigitating cells. Adaptor-protein complexes and CD1-associated chaperones control CD1 trafficking, and the development and activation of CD1-restricted T cells. Constitutive endocytosis of CD1B molecules and the differential sorting of MHC class II from lysosomes separate peptide- and lipid antigen-presenting molecules during dendritic cell maturation. CD1B is also expressed in interdigitating cells. The human CD1 genes are all closely linked in a cluster mapping at chromosome 1q23.1

Application Notes

Optimal dilution of the CD1c antibody should be determined by the researcher.

Immunogen

A recombinant full-length human CD1c protein was used as the immunogen for this CD1c antibody.

Storage

Store the CD1c antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).