

### 30-2817: Anti-Hu CD1d Purified

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	51.1
<b>Application :</b>	WB, FACS, IP, IHC-Fr
<b>Reactivity :</b>	Human, Non-human primates
<b>Gene :</b>	CD1D
<b>Gene ID :</b>	912
<b>Uniprot ID :</b>	P15813
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD1d molecule
<b>Immunogen Information :</b>	human CD1d

#### Description

CD1d belongs to CD1 family of transmembrane glycoproteins, associated with beta2 microglobulin, similarly to MHC I molecules. Unlike other CD1 family members, however, CD1d can be also expressed in a non-glycosylated form, which is not associated with beta2 microglobulin. Hence it is not certain how much CD1d plays a role in the presentation of microbial lipid antigens during infection. On the other hand, it is expressed on various antigen presenting cell types. Besides it, CD1d+ thymocytes are involved in the positive selection of sublineage of NKT cells.

Specificity :The mouse monoclonal antibody 51.1 recognizes an extracellular epitope of CD1d, a 38 kDa transmembrane glycoprotein expressed mainly on cortical thymocytes, marginal zone B cells and other antigen presenting cells, but also i e.g. hepatitis C virus-infected livers.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 4-8  $\mu\text{g/ml}$ .