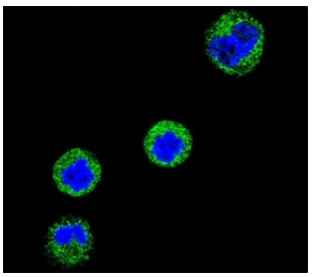
CD1e Antibody (F52013)

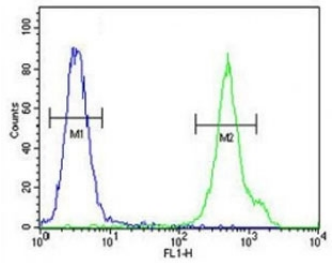
Catalog No.	Formulation	Size
F52013-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52013-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

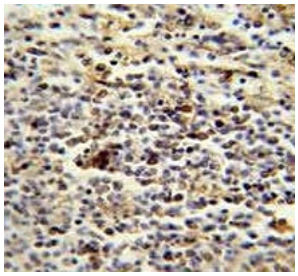
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P15812
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100 Flow Cytometry: 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This CD1e antibody is available for research use only.



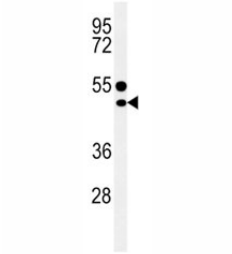
Confocal immunofluorescent analysis of CD1e antibody with MDA-MB435 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



CD1e antibody flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



CD1e antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen.



CD1e antibody western blot analysis in MDA-MB435 lysate

Description

CD1E encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate 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 within Golgi compartments, endosomes, and lysosomes, and is cleaved into a stable soluble form. The soluble form is required for the intracellular processing of some glycolipids into a form that can be presented by other CD1 family members.

Application Notes

Titration of the CD1e antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 184-212 from the human protein was used as the immunogen for this CD1e antibody.

Storage

Aliquot the CD1e antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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