Datasheet for ABIN951216

anti-CD1e antibody (Middle Region)

4 Images

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Overview

Quantity:	0.4 mL
Target:	CD1e
Binding Specificity:	AA 274-304, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD1e antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 274-304 amino acids from the Central region of human CD1E
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CD1E.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	CD1e

Target Details

Alternative Name:	CD1E (CD1e Products)
Background:	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.Synonyms: CD_antigen=CD1e, R2G1, T-cell surface glycoprotein CD1e, hCD1e, membrane-associated, sCD1e, soluble
Molecular Weight:	43626 Da
Gene ID:	913
NCBI Accession:	NP_001036048

Application Details

Application Notes:	ELISA: 1/1000. Western blot: 1/100 - 1/500. Immunohistochemistry on paraffin sections: 1/50 - 1/100. Flow Cytometry: 1/10 - 1/50. Immunofluorescence: 1/10 - 1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

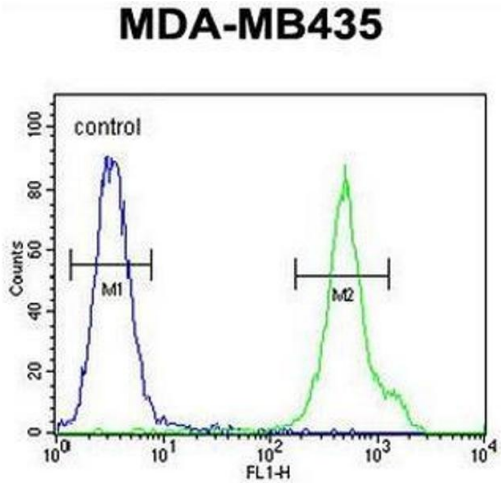
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

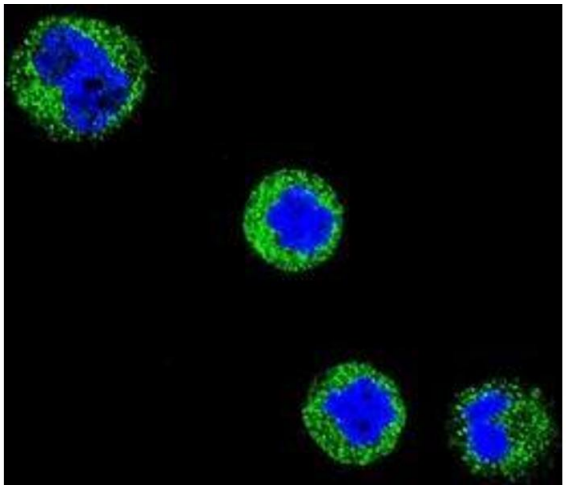
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images



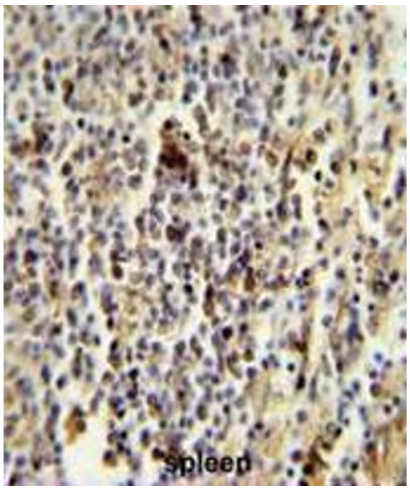
Flow Cytometry

Image 1. CD1E Antibody (Center) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of CD1E Antibody (Center)(Cat#AP50840PU-N) with MDA-MB435 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. CD1E Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CD1E Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the product details page for more images. Overall 4 images are available for ABIN951216.