Human CD1e Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 704407

Catalog Number: IC7330U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD1e in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) CD1a, rhCD1b, rhCD1c, rhCD1d, or recombinant rat beta 2-Microglobulin is observed.
Source	Monoclonal Mouse IgG_1 Clone # 704407
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD1e Met1-Tyr304 Accession # P15812
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	Jurkat human acute T cell leukemia cell line fixed with paraformaldehyde and permeabilized with saponin

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD1e is an approximately 40 kDa transmembrane glycoprotein in the CD1 family of glycolipid antigen-presenting MHC-like molecules. CD1e associates with β2-microglobulin in endosomes and the Golgi where it facilitates the processing of glycolipids for their presentation by other CD1 family proteins. CD1e is expressed by most nonhuman mammals but not by mice or rats. It contains one Ig-like domain in its extracellular region. Alternate splicing of human CD1e generates multiple isoforms with various deletions and substitutions in the extracellular and/or cytoplasmic domains.

PRODUCT SPECIFIC NOTICES

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