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Datasheet for ABIN6935898 anti-GLG1 antibody (CF®700)

Overview

Quantity:	0.5 mL
Target:	GLG1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GLG1 antibody is conjugated to CF®700
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Test (T)

Product Details

Immunogen:	Golgi fraction from human liver cells
Clone:	GLG1-970
Isotype:	IgG1 kappa
Specificity:	<p>This MAb recognizes a protein of 134 kDa, which binds fibroblast growth factor and E-selectin (cell-adhesion lectin on endothelial cells mediating the binding of neutrophils). Fucosylation is essential for binding to E-selectin. It contains sialic acid residues and 16 Cys-rich GLG1 repeats. Highest levels are expressed in pancreas, skeletal muscle, placenta, heart, testis and ovary. It is also found in the kidney, liver, lung and brain. It is expressed in both adult and fetal tissues. This MAb can be used to stain the Golgi complex in cell or tissue preparations and can be used as a Golgi marker in subcellular fractions. It produces a diffuse staining pattern of the Golgi zone in normal and malignant cells. This MAb is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells. The Golgi apparatus is an organelle present in all eukaryotic cells that forms a part of the endomembrane system. The primary</p>

Product Details

function of the Golgi apparatus is to process and package macromolecules synthesized by the cell for exocytosis or use within the cell. The Golgi is made up of a stack of flattened, membrane-bound sacs known as cisternae, with three functional regions: the cis face, medial region and trans face. Each region consists of various enzymes that selectively modify the macromolecules passing through them, depending on where they are destined to reside. Several spherical vesicles that have budded off of the Golgi are present surrounding the main cisternae. The Golgi tends to be more pronounced and numerous in cells that make and secrete many substances such as plasma B cells.

No Cross-Reactivity: Mouse (Murine), Rat (Rattus)

Purification: Purified by Protein A/G

Target Details

Target: GLG1

Alternative Name: GLG1 ([GLG1 Products](#))

Molecular Weight: 134kDa

Gene ID: 2734

UniProt: [Q92896](#)

Application Details

Application Notes: Positive Control: HepG2, A431 or HeLa cells. Tonsil or lymph node.
Known Application: Flow Cytometry: 5 µL per test per one million cells (or 5 µL per 100 µL of whole blood) Immunofluorescence (1:50-1:100) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 100 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA and 0.05 % 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

Storage:	4 °C
Storage Comment:	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months