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36-2396: Anti-GLG1 (Golgi Glycoprotein 1) (Marker for Human Cells) Monoclonal Antibody(Clone: GLG1/970)-CF647

Clonality :	Monoclonal
Clone Name :	GLG1/970
Application :	FACS,IF
Reactivity :	Human
Conjugate :	CF647
Gene :	GLG1
Gene ID :	2734
Uniprot ID :	Q92896
Alternative Name :	CFR-1; Cysteine-rich fibroblast growth factor receptor; E-selectin ligand-1 (ESL-1); Golgi Glycoprotein 1 (GLG1); Golgi apparatus protein 1; Golgi sialoglycoprotein MG-160; Slectin, endothelial cell, ligand
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Golgi fraction from human liver cells

Description

This MAb recognizes a protein of 134kDa, 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 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 thoÂµgh 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.

Product Info

Amount :	0.5 ml at 100µg/ml
Content :	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjµgated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.
Storage condition :	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry: 5ul per test per one million cells (or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.