Golgi Marker Antibody [clone GLG1/970] (V2543CF488)

Catalog No.	Formulation	Size
V2543CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	CF488 Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	GLG1/970
Purity	Protein G affinity chromatography
UniProt	Q92896
Localization	Cytoplasmic
Applications	Flow Cytometry : 5ul per test per one 10^6 cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence : 1-2ug/ml
Limitations	This Golgi Marker antibody is available for research use only.

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 though 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.

Application Notes

Optimal dilution of the Golgi Marker antibody should be determined by the researcher.

Immunogen

The Golgi fraction from human liver cells was used as the immunogen for the Golgi Marker antibody.

Storage

Store the Golgi Marker antibody at 2-8oC, protected from light.