

## AM33280PU-T **Monoclonal Antibody to Golgi Complex (Marker for Human Cells) - Purified**

<b>Quantity:</b>	20 µg
<b>Concentration:</b>	0.2 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	SPM581
<b>Immunogen:</b>	SU-DHL-1 large cell lymphoma cells.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction from Bioreactor Concentrate <b>Purification:</b> Protein A/G Chromatography <b>Buffer System:</b> 10mM PBS <b>Preservatives:</b> 0.05% Sodium Azide <b>Stabilizers:</b> 0.05% BSA
<b>Applications:</b>	<b>Flow Cytometry:</b> 0.5-1.0 µg/million cells in 0.1ml. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Immunocytochemistry</b> (Acetone or paraformaldehyde fixed): 0.5-1 µg/ml for 30 minutes. <b>Immunohistochemistry on Frozen Sections:</b> 0.5-1 µg/ml for 30 minutes at RT. <b>Immunohistochemistry on Paraffin Sections:</b> 0.5-1 µg/ml for 30 minutes at RT. <b><u>Recommended Positive Control:</u></b> Tonsil or lymph node. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This Monoclonal Antibody recognizes Golgi complex in Human cells. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of human cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. It recognizes an antigen associated with the Golgi complex in Human cells only. It 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 and may be used to stain Golgi complex of cells in frozen tissue sections. It can also be used with paraformaldehyde fixed frozen tissue or cell preparations. This Monoclonal Antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with Human cells. <b><u>Cellular Localization:</u></b> Golgi complex in cytoplasm.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b> Shelf life: one year from despatch.

**General Readings:**

1. Yuasa K, Omori K, Yanaka N. Binding and phosphorylation of a novel male germ cell-specific cGMP-dependent protein kinase-anchoring protein by cGMP-dependent protein kinase I $\alpha$ . J Biol Chem. 2000 Feb 18;275(7):4897-905. PubMed PMID: 10671526.
2. Yoshio Endo et. al. Cellular localization and functional characterization of the equilibrative nucleoside transporters of antitumor nucleosides. Cancer science 98;2007.

**Pictures:**

Formalin-fixed, paraffin-embedded Human Gallbladder stained with Golgi Monoclonal Antibody (Clone SPM581).

