

Calnexin Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90007 (clone C2A1)
Format: 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

BACKGROUND

Calnexin is a ~90 kDa integral protein of the endoplasmic reticulum; it is also referred to as IP90, p88 and p90. It consists of a 50kDa N-terminal calcium-binding luminal domain, a single transmembrane helix, and a short acidic cytoplasmic tail. Its positively charged cytosolic residues ensure its retention in the endoplasmic reticulum. Calnexin together with calreticulin play a key role in glycoprotein folding by interacting with folding intermediates via their monoglycosylated glycans. Calnexin has also been shown to associate with the major histocompatibility complex class I heavy chains, partial complexes of the T cell receptor, and B cell surface immunoglobulin.

SPECIFICATION SUMMARY

Antigen: *Dictyostelium discoideum* AX2 recombinant fragment. Accession no. P27824.
Host species: Mouse.
Antibody Class: IgG1.
Preservative: None.

SPECIFICITY

This antibody reacts with human and *Dictyostelium discoideum* calnexin.

APPLICATIONS

Immunoblotting: use at 1-10ug/ml.

Immunohistochemistry: use at 1-10ug/ml.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

RECONSTITUTION

Reconstitute in distilled water.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.