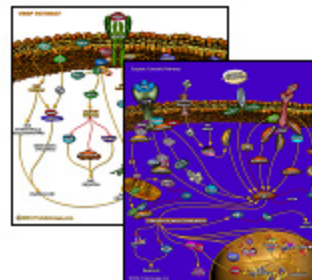


Data Sheet 208883 Rev. 08-April-2008 JSW

Anti-Calnexin Mouse mAb (TO-5)
Cat. No. 208883



Note that this data sheet is not lot-specific and is representative of the current specifications for this product. Please consult the vial label and the certificate of analysis for information on specific lots. Also note that shipping conditions may differ from storage conditions. Full details are available at www.calbiochem.com.

Size:	15 µg
Applications:	Immunoblotting (0.5-1 µg/ml, see application references) ELISA (see application references) Flow Cytometry (see application references) Immunocytochemistry (see application references) Immunohistochemistry (see application references)
Description:	Purified mouse monoclonal antibody generated by immunizing Balb/c mice with the specified immunogen and fusing splenocytes with P3-X63-AG8.653 mouse myeloma cells. Recognizes the ~90 kDa calnexin protein.
Background:	Calnexin is an ER transmembrane protein that transiently associates with newly synthesized, incompletely folded monomeric glycoproteins. Calnexin associates with the ER membrane phosphoglycoprotein, signal sequence receptor SSR ^H , and has been identified as the ER protein associated with major histocompatibility complex (MHC) class I heavy chain and with the T-cell receptor and membrane immunoglobulin before assembly of these multimeric complexes. Hence, calnexin may represent a molecular chaperone in the ER membrane that is selective for incompletely folded oligomeric membrane proteins newly translocated to the ER.
Host:	Mouse
Immunogen:	A synthetic peptide corresponding to amino acids 509-524 of human calnexin, coupled to KLH
Clone:	TO-5
Isotype:	IgG1
Known Species Reactivity:	Human
Positive Control:	HeLa cells
Form:	Liquid
Formulation:	In 10 mM PBS, pH 7.4.
Preservative:	≤0.1% sodium azide
Storage:	-20°C. Avoid freeze/thaw.

Toxicity: MSDS available upon request.

Special Instructions: Following initial thaw, aliquot and freeze (-20°C).

Comments: Antibody should be titrated for optimal results in individual systems.

References: Hammond, C., et al. 1994. *J. Cell Biol.* **126**, 41.
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David, V., et al. 1993. *J. Biol. Chem.* **268**, 9585.
Ahluwalia, N., et al. 1992. *J. Biol. Chem.* **267**, 10914.
Galvin, K., et al. 1992. *Proc. Natl. Acad. Sci. USA* **89**, 8452.
Hochstenbach, F., et al. 1992. *Proc. Natl. Acad. Sci. USA* **89**, 4734.
Wada, I., et al. 1991. *J. Biol. Chem.* **266**, 19599.

Application References: **Immunoblotting, ELISA, Flow Cytometry, Immunocytochemistry, Immunohistochemistry**
Ogino, T., et al. 2003. *Tissue Antigens* **62**, 385.

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