

## Monoclonal Mouse Antibody to Calretinin

<b>Catalog No.:</b>	Mob 298-1, Mob 298-1-05
<b>Intended Use:</b>	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting result
<b>Immunogen:</b>	Recombinant full length mouse calretinin protein.
<b>Clone:</b>	5A5
<b>Isotype:</b>	IgG1
<b>Format:</b>	This antibody is derived from tissue culture supernatant and contains sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:20 to 1:40 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 60 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody is specific to 31.5 kD protein. Calretinin is an intracellular calcium-binding protein belonging to the troponin C superfamily. Calretinin is predominately in the cytoplasm but may also be detected in the nucleus of some neurons in the CNS and peripheral nerves, Leydig cells of the testis, kidney tubules, with weak staining in cortical cells of the adrenal gland. In the developing cerebellum, calretinin shows weak staining from 21 week of gestation with staining intensity increasing as the cerebellum matures. Calretinin can be detected in mesothelioma and some pulmonary adenocarcinomas.
<b>Positive Control:</b>	Mesothelioma
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Doglioni et al. Am J Surg Pathol 20: 11037, 1996. ii) Parmentier M and Lefort A. Eur J Biochem 196: 79, 1991. iii) Yew et al. Developmental Brain Res 103: 37, 1997.

