

Monoclonal Mouse Antibody to Calbindin-D-28K

Catalog No.:	Mob 295-1, Mob 295-1-05
Intended Use:	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 results.
Immunogen:	Purified bovine kidney calbindin-D-28K
Clone:	CB-955
Isotype:	IgG1
Format:	This antibody was derived from ascites. It contains sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:150 to 1:300 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 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 or enzymatic digestion prior to immunostaining.</u>
Specificity:	This antibody is specific to a protein of 28 kDa. Calbindin-D-28K is also known as vitamin D-dependent calcium-binding protein or cholecalciferol. Calbindin D-28K has a broad tissue distribution; however it exhibits a cell type-specific expression pattern. This antibody reacts specifically with calbindin-D-28K in brain and kidney tissues from human, cow, goat, pig, rabbit, dog, cat, rat, mouse, sheep, and guinea pig sources. It binds weakly to chicken calbindin-D-28K.
Positive Control:	Kidney
Cellular Localization:	Cytoplasmic, cell membrane
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Chard PS et al. Proc Natl Acad Sci USA 92:5144, 1995. ii) Garcia-Segura LM et al. Brain Res 296: 75, 1984. iii) Katsetos CD et al. Arch Pathol Lab Med 118: 633, 1994. iv) Wassermann RH and Taylor AN Science 152:791, 1966.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

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