

Calretinin clone 2E7

Instructions for Use

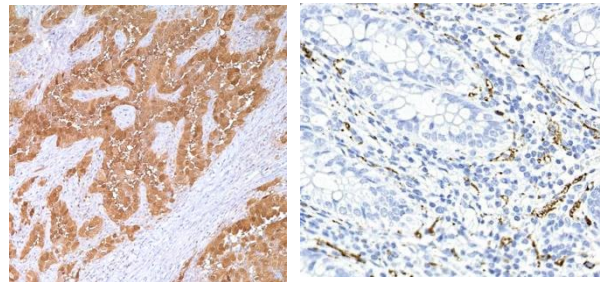
Specification:

This antibody is designed for the specific localization of Calretinin in formalin-fixed, paraffin-embedded tissue sections. It is intended for in vitro diagnostic use.

Calretinin, encoded by gene calb2, also known as Calbindin 2, is a calcium-binding protein belonging to the troponin C superfamily and calbindin subfamily. It consists of 271 amino acids and has a molecular weight of 31.5 kD. Among the many calcium-binding proteins in the nervous system, calretinin, together with parvalbumin and calbindin-D28K, are particularly striking in their abundance and in the specificity of their distribution. They can be found in different subsets of neurons in many brain regions and are considered valuable markers of neuronal subpopulations for anatomical and developmental studies. Calretinin is approved as a highly sensitive and specific marker for mesothelial cells and one of the best positive markers for differentiating epithelial malignant mesotheliomas. This polyclonal antibody specifically recognizes calretinin in tissue originating from human, monkey, rat and mouse. It does not cross-react with other known calcium-binding proteins as determined by Western Blot analysis and by its distribution in the brain with immunohistochemistry.

Availability:

Catalog No.	Contents	Volume
ILM75911-C1	Calretinin	0,1 ml concentrate
ILM75911-C05	Calretinin	0,5 ml concentrate
ILM75911-C1	Calretinin	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human

Clone: 2E7

Species of origin: Mouse

Isotype: IgG

Control Tissue: Brain tissue and mesothelioma

Staining: Cytoplasm of various neurons in normal brain and mesothelial cells

Immunogen: Recombinant protein

Presentation: Mouse Monoclonal antibody in TBS, pH 7.6, containing 1% BSA and 0.09% sodium azide.
Protein concentration: 10-15mg/ml.

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:200 - 1:400)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

Reference:

- 1) Lugli A et al, 2003, Hum Pathol. 34:994-1000
- 2) Doglioni C, et al, 1996, Am J Surg Pathol. 20:1037-1046
- 3) Ordonez NG, 1998, Mod Pathol. 11:929-933