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Hycult biotechnology

Carcinoma Associated Antigen, Cl 115D8, Hu mAb

Catalog No.	HM2131	**Quantity:**	100 µg

Description: Carcinoma associated antigen MAM-6 also known as a milkfat globule membrane antigen is a mucus glycoprotein of >400 kD that is located mainly in the glycocalyx of most glandular epithelial cells. It is also located in the cytoplasm and on the membrane of most carcinoma cells and some other tumor cells. Antibody 115D8 recognizes epitope "a" of MAM-6 and reacts very strongly with a majority of carcinomas (99.2%) and adenomas (61.4%). It occasionally shows a very weak cross reactivity with sarcomas and leukemias. It does not react with normal intestine or colorectal adenomas, but reacts with colorectal carcinomas.

Concentration: 100 µg/ml

Specificity: Human Carcinoma Associated Antigen

Host: Mouse

Isotype: IgG_{2b}

Clone: 115D8

Formulation: 1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Cross-Reactivity: Occasionally shows a very weak cross reactivity with sarcomas and leukemias. It does not react with normal intestine or colorectal adenomas, but reacts with colorectal carcinomas.

Applications The antibody can be used for immunoprecipitation, Western blotting and immunohistology on frozen and paraffin sections.
For Western blotting and immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.

Storage & Stability: Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.

References:

1. Tsubura, A et al; Expression of MAM-3 and MAM-6 antigens in endometrial and endocervical adenocarcinomas. Virchows Arch A Pathol Anat Histopathol 1985, *407*: 59
2. Zotter, S et al; Immunohistochemical localization of the epithelial marker MAM-6 in invasive malignancies and highly dysplastic adenomas of the large intestine. Lab Invest 1987, *57*: 193
3. Yamada, D et al; Immunohistochemical expression of MAM-3 and MAM-6 antigens in salivary gland tumours. Virchows Arch A Pathol Anat Histopathol 1989, *415*: 509
4. Shibuya, C et al; Immunohistochemical study of a monoclonal antibody 115D8 against human milk-fat globule membrane (MAM-6) in some histological types of breast cancer. Nippon Geka Hokan 1990, *59*: 295

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Also available:

HM2123: Monoclonal antibody against Human Aurora-A kinase, clone 35C1
HM2128: Monoclonal antibody against Human Keratin 7, clone OVLT 12/30
HM2129: Monoclonal antibody against Human Melanoma associated antigen, clone NKI/M6
HM2130: Monoclonal antibody against Human Melanoma associated antigen, clone NKI/beteb

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