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IgA Secretory Component / ECM1 Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone ECM1/792]
Catalog # AH11171

Product Information

Application	IHC, IF, FC
Primary Accession	Q16610
Other Accession	1893, 81071
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Clone Names	ECM1/792
Calculated MW	60674

Additional Information

Gene ID	1893
Other Names	Extracellular matrix protein 1, Secretory component p85, ECM1
Application Note	IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	IgA Secretory Component / ECM1 Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ECM1
Function	Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity.
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed in breast cancer tissues. Little or no expression observed in normal breast tissues. Expressed in skin; wide expression is observed throughout the dermis with minimal expression in the epidermis.

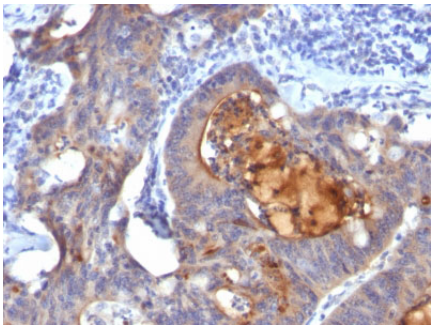
Background

This MAb reacts with a reduction-resistant epitope present in both free and SIgA bound Secretory Component. It does not react with the cell lines lacking secretory component. The antibody is useful for studying the distribution and level of both free and bound secretory component. Secretory component is differentially expressed in epithelium, and the antibody is a popular marker for identifying subpopulations of epithelial cells and epithelial differentiation. The Secretory component antibody is a useful research tool for studying mucosal immunity, inflammation, remodeling, differentiation and tumorigenesis, all processes associated with differential secretory component expression.

References

K hn, L.C. and Kraehenbuhl, J.P. 1980. Role of secretory component, a secreted of IgA dimer by epithelial cells. J. Biol. Chem. 254: 11072-11081

Images



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with IgA Secretory Component Monoclonal Antibody (ECM1/792).