

Mouse Monoclonal Antibody to Metadherin

Catalogue Number	sAP-0332
Target Molecule	<p>Name: Metadherin</p> <p>Aliases: 3D3; AEG1; LYRIC; MTDH</p> <p>MW: 64kDa</p> <p>Entrez Gene ID: 92140</p>
Description	Metadherin (Metastasis adhesion protein), also known as MTDH, LYsine-Rich CEACAM1 co-isolated (LYRIC), is a novel protein that localizes with the tight junction proteins ZO-1 and occludin in polarized epithelial cells. At the tight junction, it acts not as a structural component, but is rather recruited during the maturation of the tight junction complex. Metadherin is overexpressed in breast cancer tissue and breast tumor xenografts, while much lower levels are expressed in normal breast tissue. Metadherin binds to lung vasculature, one of the four common sites of breast cancer metastasis, through a C-terminal segment in the extracellular domain; blocking this lung-homing domain with antibodies or inhibiting metadherin with siRNA has been reported to inhibit breast cancer metastasis.
Immunogen	Purified recombinant fragment of human Metadherin expressed in E. Coli.
Recombinant Species	Human
Clone	MM2F11C3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Antibody are purified by protein G affinity chromatography. ; Liquid in PBS containing 50% glycerol and 0.03% sodium azide. ;
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Cancer Cell. 2004 Apr;5(4):365-74. ; 2. Exp Cell Res. 2004 Oct 15;300(1):134-48. ; 3. Cancer Cell. 2009 Jan 6;15(1):9-20.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**