

Mouse anti-MFG-E8/Lactadherin/p47, clone MFG-06 (Monoclonal)

Clone no. MFG-06

MONOSAN

Product name	Mouse anti-MFG-E8/Lactadherin/p47, clone MFG-06 (Monoclonal)
Host	Mouse
Applications	FC, IHC-fr, IHC-P, IF, WB
Species reactivity	human, rat
Conjugate	-
Immunogen	milk fat globule membrane preparation derived from human breast cancer cell line PMC42
Isotype	IgG1-K
Clonality	Monoclonal
Clone number	MFG-06
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

MFG-06 reacts with a glycoprotein of 40-45 kDa, known as Milk fat globule-EGF factor 8 protein (MFG-E8), lactadherin, p47 or milk fat globule 1 antigen. It is present on normal epithelial cells in various organs and considered a differentiation marker in carcinomas. It contains one EGF-like domain and 2 F5/8 type C domains. Functioning as a specific ligand for Integrin β 5 and Integrin β 3, MFG-E8 is thought to be involved in gamete interactions and cell attachment, possibly playing a role in fertilization and apoptosis. Additionally, MFG-E8 binds to rotavirus and inhibits its replication, thereby protecting the cell from viral infection. Overexpression of MFG-E8 is associated with breast cancer, suggesting that MFG-E8 may be related to tumorigenesis or progression. Among testicular carcinomas, seminomas are negative.

References

1. Bártková J, et. al. Tumour Biol. 8(1): 45-56 (1987)
2. Yamazaki, M. et al. Lab. Invest. 94: 1260-72 (2014)
3. Alfaro-Lira, S. et al. 2012. Int J Environ Res Public Health. 9: 1630-1648 (2012)
4. -
5. -

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