

Mouse anti-INSM1, clone A-8 (Monoclonal)

Clone no. A-8

MONOSAN

Product name	Mouse anti-INSM1, clone A-8 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:50-1:100)
Species reactivity	human
Conjugate	-
Immunogen	Amino acid 81-125 at the N-terminus of human INSM1
Isotype	IgG1k
Clonality	Monoclonal
Clone number	A-8
Size	0,5 ml
Concentration	lot specific
Format	-
Storage buffer	Tissue culture supernatant with 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

INSM1 (insulinoma-associated protein 1), also known as zinc-finger protein IA-1, is a developmentally regulated zinc-finger transcription factor. It localizes to the nucleus and is expressed in embryonic tissues undergoing neuroendocrine differentiation. INSM1 is not expressed in normal adult tissues but it can be found highly expressed in neuroendocrine tumors. INSM1 contains five Cys2-His2-type zinc-finger DNA binding domains and a prohormone domain. INSM1 acts as a transcriptional repressor of the Neuro D promoter and recruits cyclin D1 as a corepressor. It plays an important role in neuroendocrine development and is required for normal differentiation of pancreatic endocrine cells. Inhibition of INSM1 results in decreased formation of glucagon and Insulin positive cells. The gene encoding INSM1 is directly regulated by Neurogenin 3 which binds chromatin in the INSM1 promoter region and induces transcription.

References

1. Li et al. Biochem Biophys Res Comm 1997;236:776-781
2. Breslin et al. Nucleic Acids Res 2002;30:1038-1045
3. -
4. -
5. -

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