

Mouse anti Pepsinogen I, clone 4C6.1 (Monoclonal)

Clone no. 4C6.1

MONOSAN

Product name	Mouse anti Pepsinogen I, clone 4C6.1 (Monoclonal)
Host	Mouse
Applications	IHC-fr, IHC-P, WB, ELISA
Species reactivity	human
Conjugate	-
Immunogen	Pepsinogen I purified from human tissue
Isotype	IgG1
Clonality	Monoclonal
Clone number	4C6.1
Size	1 ml
Concentration	100 ug/ ml
Format	-
Storage buffer	PBS with 1% BSA & 0.09% 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

The antibody is specific to human pepsinogen I and has no crossreactivity to human pepsinogen II. Pepsinogen I is a group of precursor molecules for pepsin. These proteins are solely synthesized and secreted into gastric lumen by chief (pepsin) cells and mucous neck cells in the gastric corpus (oxyntic mucosa). In atrophic corpus gastritis these cells disappear resulting in a decrease of the serum level of pepsinogen I and in a reduction of the number of pepsinogen I positive cells in gastric biopsies. The presence of positive immunostaining for pepsinogen I is a highly reliable sign for the acid-secreting oxyntic glands. In gastric heterotopia of the duodenal bulb, but not in gastric metaplasia, the oxyntic-type glands give a positive immunohistochemical reaction for pepsinogen I.

References

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