

Mouse anti-Human IgG4, clone MRQ-44 (Monoclonal)

Clone no. MRQ-44

MONOSAN

Product name	Mouse anti-Human IgG4, clone MRQ-44 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:100-1:500)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1-k
Clonality	Monoclonal
Clone number	MRQ-44
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% 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

IgG4-related sclerosing disease has been recognized as a systemic disease entity characterized by an elevated serum IgG4 level, sclerosing fibrosis, and diffuse lymphoplasmacytic infiltration with the presence of many IgG4-positive plasma cells. Clinical manifestations are apparent in the pancreas, bile duct, gall bladder, lacrimal gland, salivary gland, retroperitoneum, kidney, lung, breast, thyroid, and prostate. Immunohistochemical analyses in the case of IgG4-related sclerosing disease not only exhibit significantly more than normal IgG4-positive plasma cells in affected tissues but also significantly higher IgG4/IgG ratios (typically > 30%).

References

1. Sakata N, et al., Am J Surg Pathol. 2008; 32:553-9
2. Dhobale S, et al., J Clin Rheumatol. 2009; 15:354-7
3. Li Y, et al., Pathol Int. 2009; 59:636-41
4. Koyabu M et al., J Gastroenterol. 2010; 45:732-41
5. Kamisawa T, et al., World J Gastroenterol. 2009; 21:2357-60

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