Mouse anti-Tumor Necrosis factor Alpha, clone 52B83 (Monoclonal)

Clone no. 52B83

MONOSAN

Product name	Mouse anti-Tumor Necrosis factor Alpha, clone 52B83 (Monoclonal)
Host	Mouse
Applications	IHC-fr,FC,ELISA,WB
Species reactivity	human, guinea pig, mouse, rhesus monkey
Conjugate	-
Immunogen	Unknown or proprietery to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	52B83
Size	1 ml
Concentration	100 ug/ ml
Format	-
Storage buffer	PBS with 0.1% BSA and 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

The monoclonal antibody 52B83 reacts with tumor necrosis factor alpha (TNF-alpha). TNF-alpha is a homotrimeric 17 kDa protein, that interacts with either one of the two types of TNF-receptors, termed I and II, leading to receptor cross-linking and signal transduction. The receptors differ strongly in their intra-cellular signaling pathways.
 TNF-alpha was originally described as a highly cytotoxic cytokine for tumor cells, it causes tumor necrosis in vivo and shows cytolytic activity against tumor cells in vitro. Furthermore,- TNF-alpha is found to be a central mediator in many inflammatory and immunological processes. It can be induced by various products of micro-organisms and by various cytokines leading to expression of a wide variety of-cytokines. The pro-inflammatory properties of- TNF-alpha play a central role in several auto-immune diseases such as rheumatoid arthritis and inhibition by neutralizing molecules have been shown to be beneficial in patients.

References

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2. Bradding, P et al: Clin Exp Allergy 1995, 25: 406
3. Gerspach; J et al. Microsc Res Tech 2000; 50: 243
4. Laan van der N et al. Arch Dermatol Res 2001; 293: 226
5. Lee E et al. Ann Dermatol 2009; 21:345