

## Mouse anti-Guinea pig lymphocytes, clone CT-4 (Monoclonal)

Clone no. CT-4

MONOSAN

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Product name	Mouse anti-Guinea pig lymphocytes, clone CT-4 (Monoclonal)
Host	Mouse
Applications	IHC-fr (1:100-1:1000), FC
Species reactivity	guinea pig, human, mouse, rat
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG3
Clonality	Monoclonal
Clone number	CT-4
Size	1 ml
Concentration	500 ug/ ml
Format	-
Storage buffer	cell culture supernatant with 0.7% 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**

Mouse anti Guinea Pig CD90 antibody, clone CT4 recognizes guinea pig THY-1 (CD90), a small but heavily glycosylated member of the immunoglobulin superfamily. Clone CT4 was originally identified as recognizing a guinea pig homing receptor (Kraal et al. 1986) and later confirmed as recognizing the guinea pig homologue of human and rodent CD90 (Schäfer et al. 1999) by purification and microsequencing. Guinea Pig CD90 is notable for its level of N-linked glycosylation, rendering it an apparent molecular mass of ~36kDa, higher than that seen in most other species where CD90 has been identified and characterized. Guinea pig CD90 (according to Uniprot entry Q9WUR5) demonstrates 82% amino acid identity with human CD90, 74% with murine CD90 and 76% with rat.

**References**

1. Kraal G et al. Eur J Immunol 1986; 16: 1515-1519
2. Schafer H et al. Cell Immunol 1999; 197: 116-28
3. -
4. -
5. -

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