

Product datasheet      MON3398

**MONOSAN**<sup>®</sup>

Rabbit anti-C4D, clone SP91 (Monoclonal)

Clone no.      SP91

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Product name	Rabbit anti-C4D, clone SP91 (Monoclonal)
Host	Rabbit
Applications	IHC-P (1:50-1:200)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG
Clonality	Monoclonal
Clone number	SP91
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**

Acute humoral rejection is mediated by antibodies to the donor endothelium that activate the classical complement pathway. This leads to a number of split products of complement proteins. C4d is a fragment of C 4 complement released during activation of the classic complement pathway by the antigen antibody complex. C4d deposits in peritubular capillaries and is regarded as an indirect sign of an antibody response. C4d can be a useful tool for indicating acute renal allograft rejection

**References**

1. Jianghua C, et al. Clin Transplant. 2005; 19:785-91
2. Kayler LK, et al. Transplantation. 2008; 85:813-20
3. Ranjan P, et al. Nephrol Dial Transplant .2008; 23:1735-41
4. Seemayer CA, et al. Nephrol Dial Transplant. 2007; 22:568-76
5. Bouron-Dal Soglio D, et al. Hum Pathol. 2008; 39:1103-10

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