

Product datasheet PS304

MONOSAN[®]

Rabbit anti-Human C3d

Clone no. -

MONOSAN

Product name	Rabbit anti-Human C3d
Host	Rabbit
Applications	IHC-P (1:100-1:500)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	-
Clonality	Polyclonal
Clone number	-
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

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Additional info

Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. C3d deposition in the renal transplant PTCs (peritubular capillaries) is indicative of AR (acute rejection) with subsequent high probability of graft loss. Anti-C3d, combined with anti-C4d, can be utilized as a tool for diagnosis of AR and warrant prompt and aggressive anti-rejection treatment. In another study, Pfaltz et al. have shown that anti-C3d labeled the epidermal basement membrane in 97% (31/32) cases of bullous pemphigoid (BP), with none of the normal controls demonstrating such findings. In the same study 27% (3/11) cases of pemphigus vulgaris (PV) demonstrated intercellular C3d deposition. Therefore, C3d immunohistochemistry is a helpful adjunct in the diagnosis of BP (and perhaps PV), especially in the cases in which only formalin-fixed, paraffin embedded tissue is available for analysis.

References

1. Bickerstaff A, et al. Am J Pathol. 2008; 173:347-57
2. Kuypers DR, et al. Transplantation. 2003; 76:102-8
3. Eggertsen G, et al. APMIS. 2001; 109:825-34
4. -
5. -

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