

## Mouse anti-PD1, clone NAT105

Clone no. NAT105

MONOSAN Ready To Use

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Product name	Mouse anti-PD1, clone NAT105
Host	Mouse
Applications	IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	NAT105
Size	7 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**

Programmed death-1 (PD-1), also known as CD279, is a type-I transmembrane protein expressed on T-cells, B-cells, and monocytes during activation.<sup>1-2</sup> PD-1 and its ligands (PD-L1 and PD-L2) function as an immune checkpoint pathway by regulating T-cell activation and autoimmunity.<sup>2</sup> PD-1 labels follicular helper T-cells and is therefore a useful marker for angioimmunoblastic T-cell lymphoma.<sup>3-4</sup>

**References**

1. Bolstad AI, et al. Arthritis Rheum. 2003 Jan;48(1):174-85
2. Dorfman DM, et al. Am J Surg Pathol. 2006 Jul;30(7):802-10
3. Hamanishi J, et al. Proc Natl Acad Sci U S A. 2007 Feb 27;104(9):3360-5
4. Konishi J, et al. Clin Cancer Res. 2004 Aug 1;10(15):5094-100
5. Mataka N, et al. Am J Gastroenterol. 2007 Feb;102(2):302-12

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