

Mouse anti-Proximal Nephrogenic Renal Antigen, clone PN-15 (Monoclonal)

Clone no. PN-15

MONOSAN

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Product name	Mouse anti-Proximal Nephrogenic Renal Antigen, clone PN-15 (Monoclonal)
Host	Mouse
Applications	FC, IHC-fr, IHC-P, IF, WB
Species reactivity	human, rat, horse, monkey
Conjugate	-
Immunogen	renal cortical tissue extract
Isotype	IgG2b-kappa
Clonality	Monoclonal
Clone number	PN-15
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 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**

PN-15 reacts with a lectin receptor like glycoprotein of 200 kDa (gp200), present in proximal renal tubules and on urothelium. The antigen is carbohydrate in nature. Other normal tissues that display the antigen include breast, parathyroid glands, thymus and epididymis. Among renal carcinomas 93% of primary and 84% of metastatic carcinomas are positive. Bladder cancers are also largely positive. Other tumor types include breast cancer, teratocarcinomas and parathyroid adenomas. The antigen, also called DEC-205, was assigned to CD205 at CD workshop VII. In the immune system it can facilitate tolerance to self-antigens through uptake of apoptosis derived material by dendritic cells, which in turn present fragments through MHC II and MHC I, either inducing or repressing immune responses, depending on the nature of concomitant signals.

**References**

1. Yoshida, S.O. et al, Cancer Res 49: 1802-1809 (1989)
2. Li, G, et al, Anticancer Res. 20(4): 2773-8 (2000)
3. Batchelder C.A. et al, Anat Rec (Hoboken) 297(8): 1392-1406 (2014)
4. Cykowski M.D. et al, Ultrastruct Pathol 39(1): 69-77 (2015)
5. Knez V.M. et al, J Med Case Rep 8: 275 (2014)

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