

Mouse anti-Oct-3/4, clone N1NK (monoclonal)

Clone no. N1NK

MONXtra

Product name	Mouse anti-Oct-3/4, clone N1NK (monoclonal)
Host	Mouse
Applications	IHC-P (1:100)
Species reactivity	human
Conjugate	-
Immunogen	Prokaryotic recombinant protein corresponding to 147 amino acids of the N-terminus of the human Oct-3/4 molecule.
Isotype	IgG1
Clonality	Monoclonal
Clone number	N1NK
Size	1 ml
Concentration	Greater than or equal to 69 mg/L
Format	-
Storage buffer	Tissue culture supernatant with 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

Oct-3/4 is a member of the POU homeodomain family of transcription factors, which is expressed by embryonic stem cells and germ cells. A critical amount of Oct-3/4 is required to maintain stem cell self replication. Down regulation of Oct-3/4 levels are associated with loss of pluripotency. Oct-3/4 has been proposed as a useful marker for germ cell tumors which exhibit features of pluripotentiality, including seminoma/dysgerminoma/germinoma and embryonal carcinoma, and establishing a germ cell origin for some metastatic tumors of uncertain primary origin.

References

1. Del Sordo R et al. Histology and histopathology. 2014; 29(1):101-106
2. Miettinen M et al. American Journal of Surgical Pathology. 2014; 38(3):410-420
3. Paine SML et al. Neuropathology and applied neurobiology. 2014; 40:544-550
4. Antic T et al. American Journal of Pathology. 2011; 136:872-880
5. -

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