



Catalog Number:	MO47035	Host:	Mouse
Product Type:	Mouse Monoclonal IgG	Species Reactivity:	Human
Immunogen Sequence:	Recombinant Human OCT-4	Format:	Liquid with PBS buffer, pH 7.4 with 0.02% Sodium Azide

Applications: Immunohistochemistry: 1:1,000-3,000

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

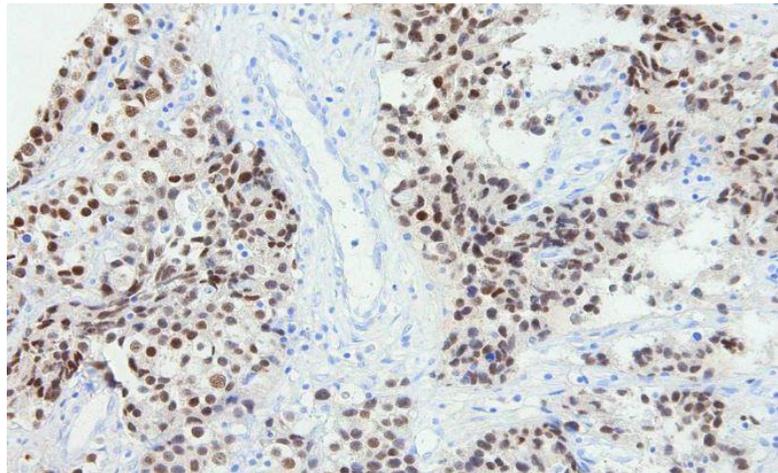
Storage: The product can be stored undiluted for several weeks at 4°C. Dilute only immediately before use. Aliquot and store at -20°C long term. Avoid freeze thaw-cycles.

Application Notes

Description/Data:

Octamer-binding transcription factor 4 (Oct-4) or POU domain, class 5, transcription factor 1 (POU5F1) is a member of the POU homeodomain family of transcription factors. It is involved in both the maintenance and regulation of pluripotency in embryonic stem cells and in germ cells. MO47035 is designed and developed for the sensitive detection of Oct-4 through immunohistochemistry applications. Oct-4 expression has been shown to be present in seminoma, germinoma, dysgerminoma, embryonal carcinoma, and gonadoblastoma, and may be associated with tumorigenesis in studies.

Images: Immunohistochemistry staining of MO47035 on human ovary tissue.



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