

# Product Datasheet

## OCT4 Antibody (OCT4/3508) [Janelia Fluor® 669] NBP3-14147JF669

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 8/19/2024 v.20.1

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**NBP3-14147JF669**

OCT4 Antibody (OCT4/3508) [Janelia Fluor® 669]

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OCT4/3508
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b Kappa
<b>Conjugate</b>	Janelia Fluor 669
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	5460
<b>Gene Symbol</b>	POU5F1
<b>Species</b>	Human
<b>Marker</b>	Germ Cell Tumor Marker
<b>Specificity/Sensitivity</b>	OCT4 is a member of the POU family of transcription factors, involved in the regulation of pluripotency during normal development and is detectable in embryonic stem and germ cells. OCT4 is a key regulator of self-renewal in embryonic stem cells; its expression is potentially correlated with tumorigenesis and can affect tumor recurrence or resistance to therapies. OCT4 is expressed in undifferentiated pluripotent cells, germ cells in ovary and testes. OCT4 Ab is useful in the identification of primary as well as metastatic germ cell tumors.
<b>Immunogen</b>	Recombinant fragment of human OCT4 protein (around aa 1-134) (exact sequence is proprietary) (Uniprot: Q01860)
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

**Product Application Details**

<b>Applications</b>	Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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