

---

<b>Catalog Number:</b>	GT15052	<b>Host:</b>	Goat
<b>Product Type:</b>	Affinity purified	<b>Species Reactivity:</b>	Human, mouse
<b>Immunogen Sequence:</b>	recombinant human Oct 3/4	<b>Format:</b>	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
<b>Applications:</b>	<b>Immunocytochemistry:</b> 5-10 µg/mL <b>Western Blot:</b> 0.1 – 0.2 µg/mL Tested for Western blotting using human recombinant Islet-1 <b>ELISA:</b> 0.5 - 1.0 µg/mL Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>Storage:</b>	Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

---

### Application Notes

#### Immunohistochemistry

This antibody has been tested on human and mouse embryonic stem cells and can be used with the appropriate secondary reagents at a concentration of 5 - 10 µg/mL in fixed cells. Cells were fixed with 4% paraformaldehyde in PBS at room temperature for 20 minutes, then blocked with 0.1% Triton X-100, 10% normal donkey serum of PBS and 1% BSA at room temperature for 45 minutes. After blocking, cells were incubated with diluted primary antibody overnight at 4° C followed by Rhodamine Red coupled anti-goat IgG antibody or another appropriate secondary antibody at room temperature in the dark for one hour. Between each step, cells were washed with 0.1% BSA in PBS.

#### Western Blotting

This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Oct 3/4. The detection limit for recombinant human Oct 3/4 is approximately 25 ng/lane and 2 ng/lane under non-reducing and reducing conditions, respectively.

**FOR RESEARCH USE ONLY**

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RSKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

6/04v1

[www.neuromics.com](http://www.neuromics.com)

Neuromics Antibodies • 210 Orchard St N • Northfield, MN 55057  
phone 507-645-8020 • fax 612-677-3976 • e-mail [psbuster@neuromics1.com](mailto:psbuster@neuromics1.com)