NEUROMICS

Olig2 Data Sheet

Catalog Number:	GT15132	**Host:**	Goat
Product Type:	Affinity purified	**Species Reactivity:**	Human
Immunogen Sequence:	*E. coli*-derived, recombinant human Oligodendrocyte transcription factor 2 (rhOlig2).	**Format:**	Liquid 1mg/ml Solution in phosphate-buffered saline (PBS) with 5% Trehlose
Applications:	Immunohistochemistry : 10 µg/mL Western Blot: 0.1 - 0.2 µg/mL ELISA: 0.5 - 1.0 µg/mL		

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

Storage: 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. *Avoid repeated freeze-thaw cycles.*

Application Notes

Direct ELISA
This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Olig2. The detection limit for rhOlig2 is approximately 0.3 ng/well. In this format, this antibody shows approximately 10% cross-reactivity with rhOlig3 and 5% cross-reactivity with rhOlig1.

Western blot
This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Olig2. The detection limit for rhOlig2 is approximately 5 ng/lane and 1 ng/lane under non-reducing and reducing conditions, respectively.

Immunocytochemistry
This antibody has been used at a concentration of 10 µg/mL to detect Olig2 on mouse E11 spinal cord tissue sections. Sections were fixed with PBS containing 4% paraformaldehyde for 20 minutes at room temperature and blocked with PBS containing 10% normal donkey serum, 0.1% Triton X-100 and 1% BSA for 45 minutes at room temperature. After blocking, cells were incubated with diluted primary antibody overnight at 4° C followed by Rhodamine Red coupled anti-goat IgG at room temperature in the dark for one hour. Between each step, cells were washed with PBS containing 0.1% BSA.

FOR RESEARCH USE ONLY

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