# NEUROMICS

# SOX2                                    Datasheet

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| **Catalog Number:** | MO15040 | **Host:** | Mouse |
| **Product Type:** | Protein G purified mouse IgG2A **Clone:** 245610 | **Species Reactivity:** | Human |
| **Immunogen Sequence:** | Recombinant human SOX2 (aa 135 - 317). | **Format:** | Liquid 1mg/ml |
| **Applications:** | **Immunocytochemistry:** 10 µg/mL **Flow Cytometry:** 50 µg/mL **Western Blot:** 1-2 µg/mL Tested by Western Blotting using recombinant human SOX2 | | |
| **Storage:** | Antibody can also 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

### Specificity
This antibody was selected for its ability to detect human SOX2 in western blots and immunocytochemistry applications.

### Immunocytochemistry
This antibody was used at a concentration of 10 µg/mL to detect human SOX2 on NTERA-2 cells. Cells were fixed with PBS containing 4% paraformaldehyde for 20 minutes at room temperature, then blocked with PBS containing 0.1% Triton X-100, 1% BSA and 10% normal donkey serum 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-mouse IgG at room temperature in the dark for one hour. Between each step, cells were washed with PBS containing 0.1% BSA.

### Western Blot
This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect human SOX2. The detection limit for recombinant human SOX2 is approximately 5 ng/lane under non-reducing and reducing conditions.

## *FOR RESEARCH USE ONLY*

**10/04v1**