

Antibodies

Anti-Oligodendrocyte Marker O4 Antibody, Clone 81



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Catalog #60053

50 µg 0.5 mg/mL

Product Description

O-Antigens are expressed on oligodendrocytes during differentiation and on mature oligodendrocytes in the central nervous system. O4 is formed during postnatal development and is a marker for cell bodies and processes of oligodendrocytes types I and II. O4 is expressed in pro-oligodendrocytes, however, it is not found on O-2A-progenitor cells.

Target Antigen Name:	Oligodendrocyte Marker O4
Alternative Names:	CLDN11, Claudin-11, Oligodendrocyte transmembrane protein
Gene ID:	5010
Species Reactivity:	Human, Mouse, Rat, Chicken, Cow, Pig
Host Species:	Mouse
Clonality:	Monoclonal
Clone:	81
Isotype:	IgM
Immunogen:	White matter homogenate obtained from the corpus callosum of cow brain
Conjugate:	Unconjugated

Applications

Verified:	ICC
Reported:	FACS, FC, ICC, IF, IHC

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Buffer containing phosphate, sodium chloride, and 0.05% sodium azide.
Purification:	The antibody was purified by ion-exchange chromatography.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. For product expiry date, please contact techsupport@stemcell.com .
Directions for Use:	The suggested use of this antibody is: ICC, 10 - 20 µg/mL; IHC, 10 - 20 µg/mL. It is recommended that the antibody be titrated for optimal performance for each application. For further instructions on how to use this antibody, refer to the Technical Manual: In Vitro Proliferation and Differentiation of Human Neural Stem and Progenitor Cells Using NeuroCult™ or NeuroCult™-XF (Document #28724) available at www.stemcell.com .

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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