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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

MOG (h3): 293T Lysate: sc-171024

BACKGROUND

Myelin oligodendrocyte glycoprotein (MOG) is a a myelin component of the central nervous system that influences completion and maintenance of the myelin sheath, cell adhesion and oligodendrocyte microtubule stability. MOG localizes on the oligodendrocyte cell surface and on the outermost lamellae of mature myelin. MOG epitopes targeted by the autoimmune T cell response influence demyelination and contribute to multiple sclerosis (MS). Alternatively spliced transcript variants encoding different isoforms have been identified.

REFERENCES

1. Roth, M.P., et al. 1995. The human myelin oligodendrocyte glycoprotein (MOG) gene: complete nucleotide sequence and structural characterization. Genomics 28: 241-250.
2. Pham-Dinh, D., et al. 1995. Structure of the human myelin oligodendrocyte glycoprotein gene and multiple alternative spliced isoforms. Genomics 29: 345-352.
3. Forsthuber, T.G., et al. 2001. T cell epitopes of human myelin oligodendrocyte glycoprotein identified in HLA-DR4 (DRB1*0401) transgenic mice are encephalitogenic and are presented by human B cells. J. Immunol. 167: 7119-7125.
4. Burns, J.B., et al. 2002. *In vivo* activation of myelin oligodendrocyte glycoprotein-specific T cells in healthy control subjects. Clin. Immunol. 105: 185-191.
5. Lyons, J.A., et al. 2002. Critical role of antigen-specific antibody in experimental autoimmune encephalomyelitis induced by recombinant myelin oligodendrocyte glycoprotein. Eur. J. Immunol. 32: 1905-1913.
6. Weissert, R., et al. 2002. High immunogenicity of intracellular myelin oligodendrocyte glycoprotein epitopes. J. Immunol. 169: 548-556.
7. Oliver, A.R., et al. 2003. Rat and human myelin oligodendrocyte glycoproteins induce experimental autoimmune encephalomyelitis by different mechanisms in C57BL/6 mice. J. Immunol. 171: 462-468.

CHROMOSOMAL LOCATION

Genetic locus: MOG (human) mapping to 6p22.1.

PRODUCT

MOG (h3): 293T Lysate represents a lysate of human MOG transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

MOG (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive MOG antibodies. Recommended use: 10-20 µl per lane.

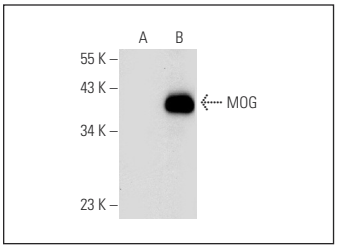
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

MOG (NYRMOG): sc-73330 is recommended as a positive control antibody for Western Blot analysis of enhanced human MOG expression in MOG transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

DATA



MOG (NYRMOG): sc-73330. Western blot analysis of MOG expression in non-transfected: sc-117752 (**A**) and human MOG transfected: sc-171024 (**B**) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.