human anti-β III tubulin

ELISA-VIDITEST

Cerebrospinal fluid

Human serum

human anti-β III TUBULIN

IgM

IgG

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ELISA kit for detection of anti-tubulin class III antibodies in human serum and cerebrospinal fluid (class IgG or IgM)

Microtubules consist of polymerized subunits, heterodimers of α and β tubulin. Neuronal cytoskeleton contains specific class of tubulin β (tubulin β class III) which was not detected in other tissues, except Sertoli cells in testis. Damage to neurons releases these cytoskeletal proteins into the extracellular space and trigger immune response with detectable levels of autoreactive antibodies class IgM and IgG in serum or cerebrospinal fluid. The level of anti-tubulin antibodies then indirectly reflects the degree of neuronal damage and inflammation of the nervous system.

Sample of cerebrospinal fluid is diluted in special dilution buffer that guarantees reactivity of specific antibodies. Correction factor for serum and cerebrospinal fluid samples is stated in the “instruction for use” booklet. Correction factor is used in formulas to calculate cut-off value and index of positivity.

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<tr>
<td>ODZ-029</td>
<td>ELISA-VIDITEST human anti-β III TUBULIN IgG</td>
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<tr>
<td>ODZ-030</td>
<td>ELISA-VIDITEST human anti-β III TUBULIN IgM</td>
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ELISA-VIDITEST human anti-β III TUBULIN in research papers

- The presence of IgG antibodies to beta-tubulin class III in the course of borreliosis (Lyme disease) Kranda K et al. Journal of Neurology 2004, 251, Suppl. 3, 157

ELISA-VIDITEST mouse anti-β III TUBULIN

ELISA kit for detection of anti-βIII tubulin antibodies in mouse serum (detection of mouse mAb against tubulin)

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<tr>
<td>ODZ-031</td>
<td>ELISA-VIDITEST mouse anti-β III TUBULIN</td>
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Anti-tubulin antibodies in research papers


For research purposes