

## Claudin 11

Cat.No. 241-0P; control peptide, 100 µg peptide (lyophilized)

### Data Sheet

Reconstitution/ Storage	100 µg peptide, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use. Control peptides should also be stored at -20°C when still lyophilized!
Immunogen	Synthetic peptide corresponding to AA 188 to 207 from rat Claudin11 (UniProt Id: Q99P82)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	241 003
Remarks	This control peptide consists of the synthetic peptide (aa 188 - 207 in rat) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of peptide needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**Claudin 11**, also known as **Oligodendrocyte specific protein (OSP)**, is one of the most abundant components of CNS myelin where it locates to the interlamellar strands in myelin sheaths. To date more than 20 members of the claudin family have been identified. They are expressed in epithelial and endothelial cells in all tight junction bearing tissues. Claudins share a common transmembrane topology with 4 transmembrane spanning domains and two extracellular loops.

### Selected General References

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OSP/claudin-11 forms a complex with a novel member of the tetraspanin super family and beta1 integrin and regulates proliferation and migration of oligodendrocytes.

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