Synaptic Systems

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SynCAM 2

Cat.No. 243-2P; control peptide, 100 µg peptide (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µg peptide, lyophilized. For reconstitution add 100 µl H_2O 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 167 to 181 from mouse SynCAM2 (UniProt Id: Q8BLQ9)
Recommended dilution	Optimal concentrations should be determined by the end-user.
matching antibodies	243 203
Remarks	This control peptide consists of the synthetic peptide (aa 167 - 181 of mouse synCAM 2) 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

Development of synapses involves transsynaptic interactions of dedicated synaptic adhesion molecules like neuroligins, neurexins and synCAMs (**Syn**aptic **c**ell **a**dhesion **m**olecules). Four SynCAM isoforms have been described so far. All share a common domain structure and contain three extracellular Ig domains, a single transmembrane region, and a short COOH-terminal cytoplasmic tail. **SynCAM 2** has been shown to be associated to myelinated axons and **synCAM 3** can serve as a receptor for herpes viruses.

Selected General References

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