

# Product Data Sheet

## Apamin

Catalog #	Source	Reactivity	Applications
CCP1087	Synthetic		
<b>Description</b>	Peptide to Apamin		
<b>Biological Description</b>	Apamin, which has been isolated from bee venom, is the smallest neurotoxic polypeptide known. It is the only polypeptide neurotoxin that passes the blood-brain barrier. It has several features in common with the snake and scorpion neurotoxins: like these,		
<b>Form</b>	Lyophilized powder		
<b>CAS Number</b>	24345-16-2		
<b>Molecular Formula</b>	C79H131N31O24S4		
<b>Molecular Weight</b>	2027.37		
<b>Purity</b>	> 95%		
<b>Chemical Structure</b>	H - Cys - Asn - Cys - Lys - Ala - Pro - Glu - Thr - Ala - Leu - Cys - Ala - Arg - Arg - Cys - Gln - Gln - His - NH <sub>2</sub> (Disulfide bridge Cys1 - Cys11, Cys3 - Cys15)		
<b>Storage/Stability</b>	Shipped at 4°C. Store at -20°C for one year.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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