



## How to use your peptides.

1. Our peptides are synthesized by fmoc method. Tested for quality by MS and HPLC.
2. We produce 15 mg for each antibody project. 5 mg for conjugation to a carrier for the immunizations. 5 mg for an optional affinity purification. 5 mg for the customer to test the specificity of his immuno reactions.
3. How to dilute your peptide:
  - Water soluble peptides can be diluted in 0,1 M bicarbonate pH 8,4 with about 10 mg/ml.
  - Water soluble and some insoluble peptides can be diluted in DMSO with 10 mg/ml or up to 100 mg/ml.
4. Storage of your peptide.
  - Dry peptides can be stored in dry matter at -20 Celsius and also at up to room temperature.
  - Diluted peptides in DMSO can be stored at -20 Celsius and also at up to room temperature.
  - Diluted peptides in water based solution can be stored at -20 or less Celsius. Best under Argon or Nitrogen.

Dilute hydrophobic peptides. There are different methods to dilute hydrophobic peptides.

1. 6 M Urea +5% acetic acid
2. 25 mM Ammoniumhydroxid
3. DMSO
4. DMSO + 0,1% TFA
5. 80% formic acid (fresh distilled)
6. Hexafluorisopropanol

Test for specificity of your ELISA, WesternBlot or Immunohistochemistry signals.

Use a known amount of Antibodies from the affinity purified IgG fraction and mix it with a ten to hundredfold molar excess of peptide prior to incubation with the antigen in your WesternBlot or Immunohistochemistry or ELISA test. If you use 5 µg antibodies (with 160000 g/mol) in 1 ml you must add 5 µg of a peptide with a molar mass of 1600 g/ml. Preincubation is needed for about 10 minutes.