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Peptide Purity Guideline

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Peptide purity plays a critical role in the success and integrity of your research projects. Here is a list of recommended purity level for some common peptide applications for your reference. Certain applications (e.g. clinical trials) will require GMP grade peptides and FDA approval. Biomatik provides research grade peptides which are for research use only. Not to be used for clinical, diagnostic or therapeutic purposes, or human consumption.

Crude or higher by HPLC
Non-sensitive screening
Sequence optimization
Protein-protein interactions studies
Receptor-ligand interactions studies

75% to 85% by HPLC
Peptide arrays
ELISA testing

85% to 90% by HPLC
Epitope mapping
Phosphorylation assays
Coating tissue culture plates for cell attachment
Protein electrophoresis applications
Non-quantitative or semi-quantitative enzyme-substrate studies
Peptide antigens for affinity purification
Peptide antigens for antibody production
Non-quantitative peptide blocking studies for Western Blot
Coupling to chromatography resins for affinity purifications

>95% by HPLC
In-vitro bioassays & studies
NMR studies
Enzymology
Quantitative receptor- ligand interactions studies
Quantitative blocking and competitive inhibition studies
Quantitative phosphorylation studies
Quantitative proteolysis studies

>98% by HPLC
Sensitive Bioassay
Cosmetic peptides
Active pharmaceutical ingredients
Clinical trials
Crystallography
SAR studies