

# Phosphopeptide

## The Challenge

Deliver specific antibodies with distinct binding profiles to distinguish different forms of the target peptide:

Non-phosphorylated



Single-phosphorylated



Double-phosphorylated



## The Solution

Working with immunized rabbits, IPA screened B cells with our proprietary B cell Select® technology.



Receipt of whole  
blood from  
immunized rabbits



B cell enrichment  
and initial screening  
of 40x96-well plates



Stepwise indirect  
ELISA screening  
on the various  
peptide forms

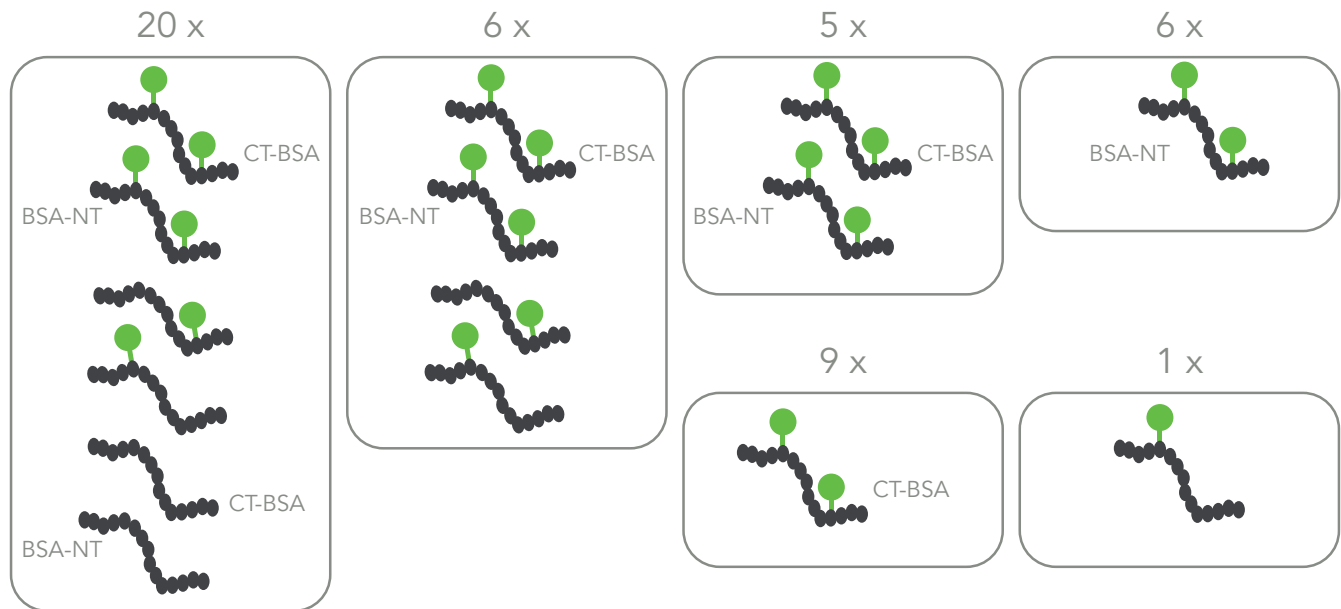
## Results

60 positive hits were obtained  
from the initial B cell screening

Positive hits were further characterized  
with 47 recombinantly produced  
antibodies, binned into 6 different  
binding profiles based on reactivity to  
the various peptide forms

# B cell Select Results

Characterized and Binned Antibodies



## Conclusion

Highly specific antibodies with diverse binding profiles were identified using B cell Select technology from IPA. The level of specificity and epitope diversity, using rabbits for the identification of high affinity antibodies in this case, made it possible to exceed the client's expectations.

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