



Ab^{Max} Phosphospecific and Paired Polyclonal Antibody Package (Cat# 60008)

The package includes the following items:

- ❖ Consultation of Phosphospecific site prediction and epitope selection.
- ❖ 10-20 mg of phosphospecific and non-phospho peptides (80% checked by HPLC, up to 15 mer); BSA/KLH conjugation.
- ❖ 2 rabbits with AbboMax immunization protocol for site-modification antigen.
- ❖ Pre-immune serum (2-5 ml/rabbit); 4 s.c. immunizations; 2 bleeds with total 100 ml of serum
- ❖ Affinity purification for Phosphospecific and paired antibody production.
- ❖ ELISA analysis for all bleeds and antibodies. Western blot (Optional); Dot blot (Optional)

The data will be provided with the project:

- ❖ Peptide: HPLC and Mass Spec
- ❖ KLH/BSA Conjugation datasheet
- ❖ ELISA analysis for all the sera, Phosphospecific antibodies and paired antibodies.

Timetable

- ❖ 1st test bleed will be shipped within 10 weeks upon the order is taken, please see the details:
- ❖ Epitope selection and consultation: 2-3 days
- ❖ Peptide synthesis/purification/conjugation: 2-3 weeks
- ❖ 1st test bleed shipment: 7 weeks
- ❖ 2nd production sera: 4 weeks
- ❖ Affinity purification for Phosphospecific and paired antibodies: 1 week

Outline:

- ❖ **Peptide synthesis** -Fmoc solid phase peptide synthesis, and purified by reversed-phase HPLC.
- ❖ **Peptide-carrier protein conjugation**- According to the protein/peptide chemistry.
- ❖ **Immunization**--7-8 weeks old of New Zealand White Rabbits will be immunized with 1st dosage of site-modified immunogen with Complete Freund's Adjuvant (CFA) followed by subsequent boosting of 2nd, 3rd and 4th immunogen with incomplete Freund's Adjuvant (IFA). The dosages will be variable according to the nature of immunogen and resources. Typically, it will be 50-500 µg/injection.
- ❖ **Phosphospecific and paired antibody affinity purification**—The antisera will be extracted from affinity columns; Phosphospecific antibody and paired antibody will be eluted sub sequentially.
- ❖ **ELISA analysis confirmation**—Peptide specific ELISA will be performed to confirm the specificities of Phosphospecific and paired antibodies.

Note: Site-specific modification is most important for research. We will make sure by quality control data that you will get the modification specific antibody at your request. Feel free to contact us if you have any questions: info@abbomax.com.