

# CUSTOM PROJECT QUOTATION

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Date: 05/01/05      Quote No: RUN111  
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*(Valid for 60 days)*

## Custom Polyclonal Antibody Service

ECM Biosciences offers custom rabbit polyclonal antibody services. These services can include screening of antibodies in any of several applications, such as ELISA, Western blot, immunohistochemistry, or function blocking. We have extensive experience developing phospho-specific antibodies, and highly recommend that you include our proprietary purification service for these antibodies. We guarantee that your custom antisera and purified antibody will recognize the immunogen by ELISA.

If you would like to proceed, please select a project: Partial (immunogen provided by researcher), Peptide immunogen, or Phospho-Peptide immunogen. In the full service, ECM will provide purified antibody (usually 1-5 mg), antigen peptide (>70% purity, 1-2 mg), and electronic ELISA and Western blot data. Full services are completed within 6-7 months. If you are interested in less than the full service described, select only those items you would like on the left. In addition, we have reduced pricing for services that include multiple peptide immunogens.

	<input type="checkbox"/> Partial	<input type="checkbox"/> Peptide	<input checked="" type="checkbox"/> Phospho-Peptide
<input checked="" type="checkbox"/> Immunogen Design	NA	\$150	\$150
<input checked="" type="checkbox"/> Peptide Synthesis	NA	500	800
<input checked="" type="checkbox"/> Carrier Conjugation	NA	150	150
<input checked="" type="checkbox"/> Immunization & Bleeds	800	700	700
<input checked="" type="checkbox"/> Sera Affinity Purification*	400	400	600
<input checked="" type="checkbox"/> ELISA Screening	100	100	100
<input checked="" type="checkbox"/> Western Blot Screening <sup>†‡</sup>	<u>200</u>	<u>200</u>	<u>300</u>
Total (full service)	\$1500	\$2200	\$2800

\*60-75 ml antisera affinity purified, phospho-peptide service includes negative purifications over unphosphorylated and non-specific sites.

<sup>†</sup>Lysates for Western blotting provided by researcher.

<sup>‡</sup>Other application screening will be quoted based on the needs of the customer.

Below is our custom project information form. Please provide the information requested regarding your custom antibody project. If you are not requesting the immunogen design, but need peptide synthesis, please include all information pertaining to the sequence of your immunogen. Both forms can be [e-mailed](#) to customer service at ECM Biosciences.

Please contact us should you have any questions.

Best Regards,

Customer Service

[www.ecmbiosciences.com](http://www.ecmbiosciences.com)  
telephone: 859-879-2075  
toll-free: 1-800-859-8202  
tech: [info@ecmbio.com](mailto:info@ecmbio.com)

**ECM Biosciences**

# CUSTOM PROJECT INFORMATION FORM

\*\*PLEASE ADD OR EDIT INFORMATION AS NEEDED AND RETURN *BEFORE* PROJECT INITIATION

DATE: 05/01/05      Quote #: RUN111

RESEARCHER: John Smith

PROTEIN NAME:  $\beta$ -Catenin      Species: Human      ACCESSION NO: P35222

PROJECT TYPE: Custom Polyclonal Antibody

PURIFICATION: Affinity Purification Phosphospecific      FINAL BUFFER: 50% Glycerol/PBS/Azide

## IMMUNOGEN(S):

Phospho- $\beta$ -Catenin (Tyr-86) synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 86 of human  $\beta$ -Catenin. This peptide sequence is highly conserved in rat and mouse  $\beta$ -Catenin.

APPLICATION (Primary): Western Blot

APPLICATION (Secondary): Immunohistochemistry

SPECIES REACTIVITY (Primary): Human

SPECIES REACTIVITY (Secondary): Rat

## EXPRESSION & RECOMMENDED SCREENING:

$\beta$ -Catenin is a widely expressed 88 kDa protein, which is phosphorylated on Tyr-86 by Src family kinases in vitro. Screen antibodies in A431 cells, which have  $\beta$ -Catenin expression. These cells can be treated with growth factors (EGF) or tyrosine phosphatase inhibitors (Pervanadate) to induce phosphorylation. Immunoprecipitation may also be required to detect the Tyr-86 phosphorylated populations of  $\beta$ -Catenin.

## OTHER COMMENTS:

Articles related to Tyr-86 phosphorylation include:  
Mol Cell Biol. 2003 Apr;23(7):2287-97; Mol Cell Biol. 2003 Oct;23(20):7391-402;  
J Biol Chem. 2005 Jun 3;280(22):21129-36

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