

**Development of an enzyme-linked immunosorbent assay based on viral antigen capture by anti-spike glycoprotein monoclonal antibody for detecting immunoglobulin A antibodies against porcine epidemic diarrhea virus in milk**

Rui Li<sup>1†</sup>, Ying Wen<sup>1†</sup>, Lei Yang<sup>1</sup>, Qi-sheng Qian<sup>1</sup>, Xin-xin Chen<sup>1</sup>, Jia-qing Zhang<sup>2</sup>, Xuewu Li<sup>1</sup>,  
Bao-song Xing<sup>2</sup>, Songlin Qiao<sup>1\*</sup>, Gaiping Zhang<sup>1\*</sup>

<sup>1</sup> Key Laboratory of Animal Immunology of the Ministry of Agriculture, Henan Provincial Key Laboratory of Animal Immunology, Henan Academy of Agricultural Sciences, Zhengzhou 450002, Henan, China;

<sup>2</sup> Institute of Animal Husbandry and Veterinary Science, Henan Academy of Agricultural Sciences, Zhengzhou 450002, Henan, China.

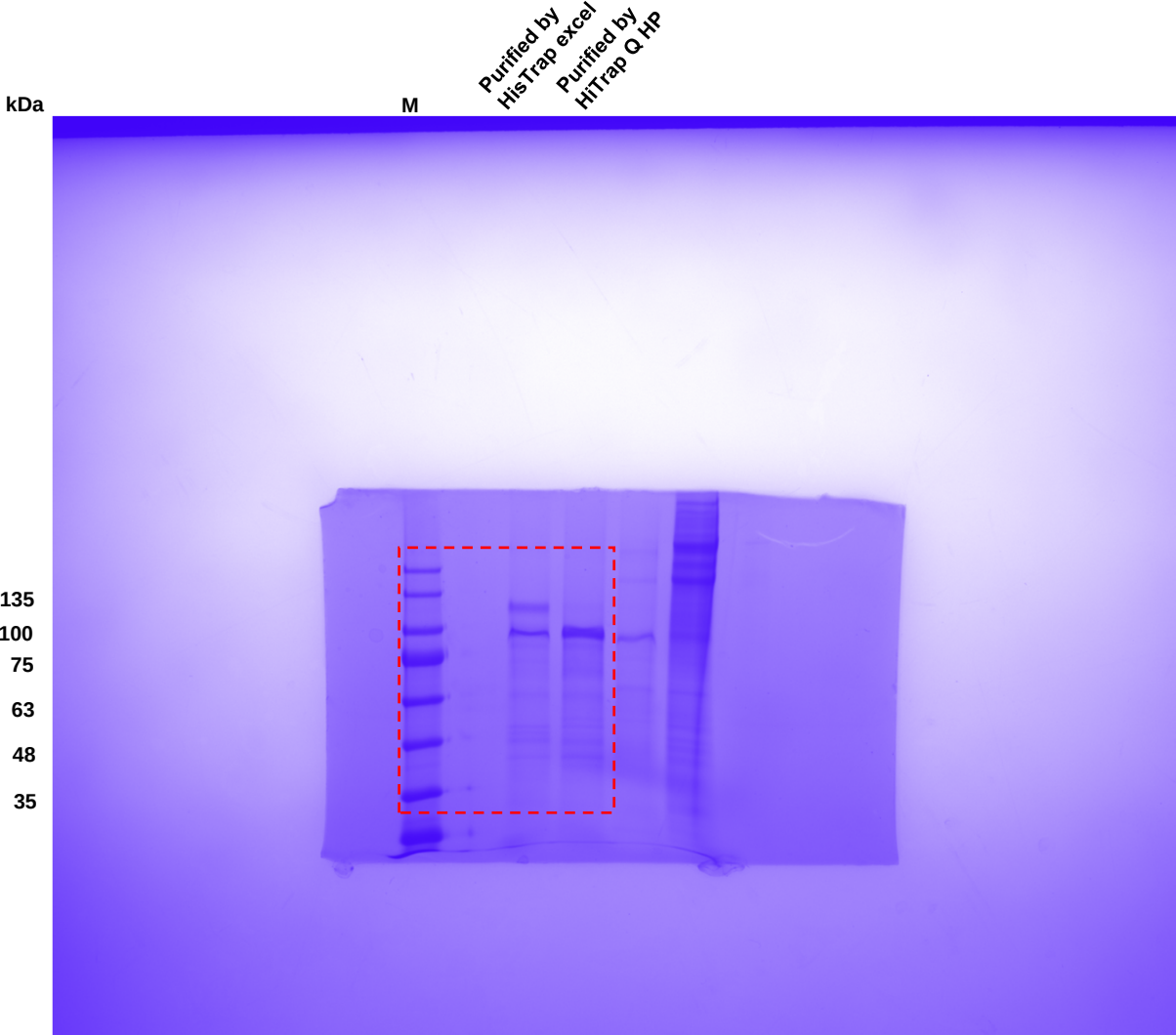
<sup>†</sup> Rui Li and Ying Wen contributed equally to this work.

**\* Correspondence:**

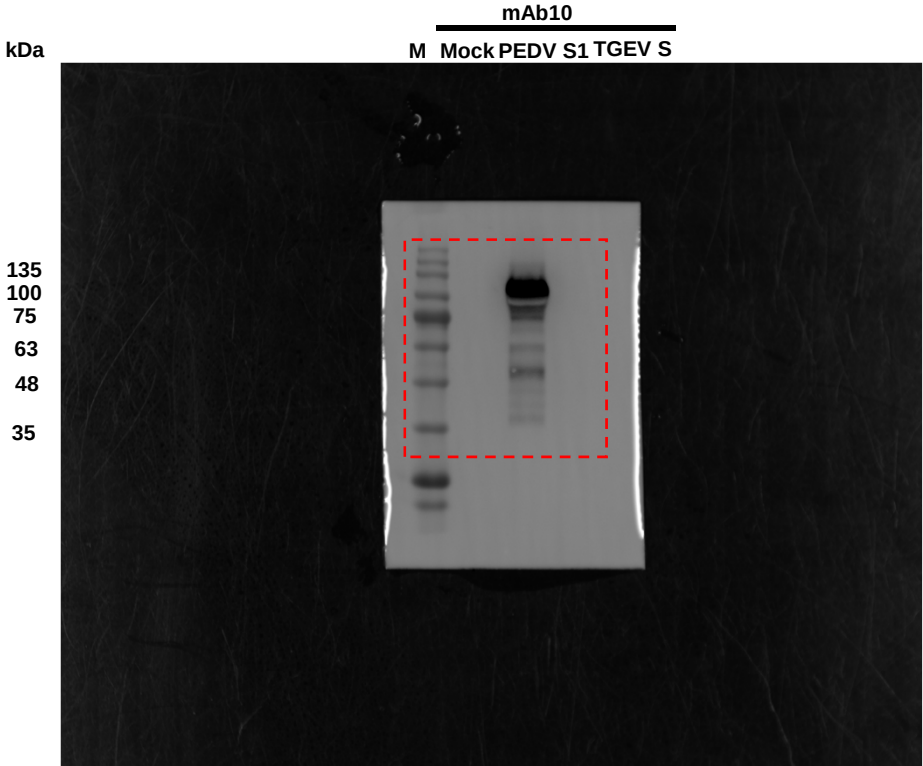
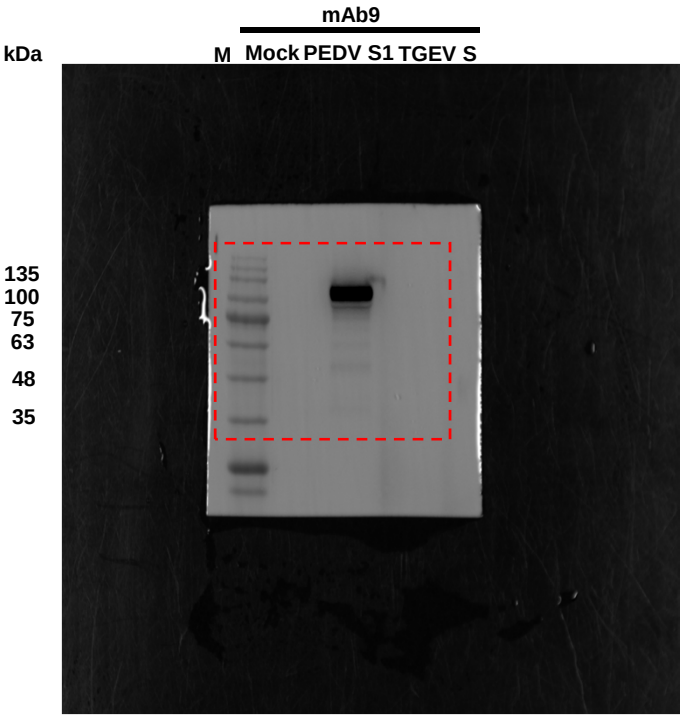
Songlin Qiao: 81615336@qq.com

Gaiping Zhang: zhanggaip@126.com

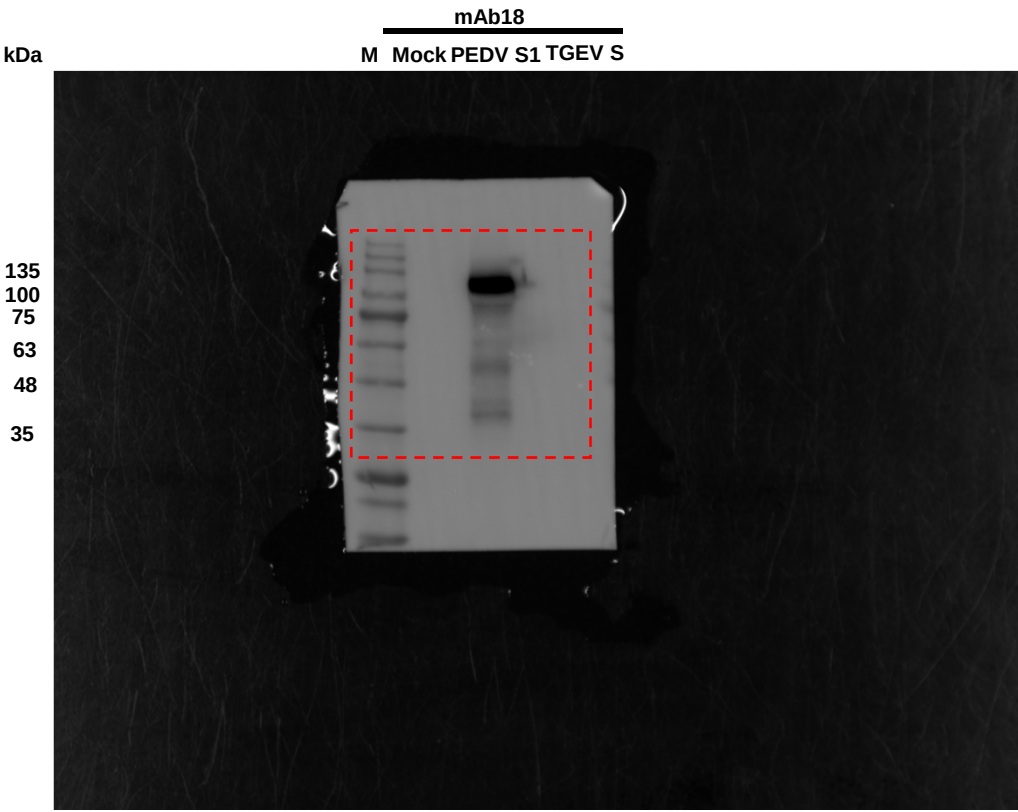
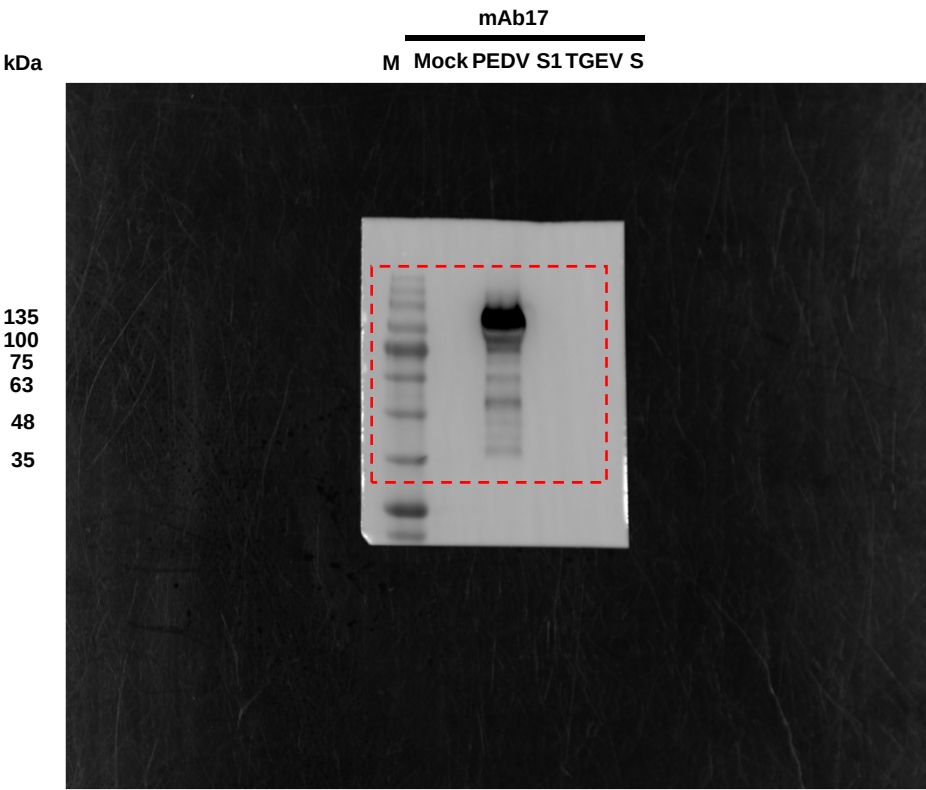
The original image of Fig. 2A



The original image of Fig. 2B



The original image of Fig. 2B



The original image of Fig. 4A

