# Human F7 Antibody Pair Set

**Catalog No.** E-KAB-0540 **Applications** ELISA
**Synonyms** FVII;Proconvertin;SPCA

## Kit components & Storage

| Title | Specifications | Storage |
|---|---|---|
| Human F7 Capture Antibody | 1 vial, 100 μg | Store at -20℃ for one year. Avoid freeze/thaw cycles. |
| Human F7 Detection Antibody (Biotin) | 1 vial, 50 μL | Store at -20℃ for one year. Avoid freeze/thaw cycles. |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Product Information

| Items | | Characteristic (E-KAB-0540) | |
|---|---|---|---|
| | | Human F7 Capture Antibody | Human F7 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human F7 protien | Recombinant Human F7 protien |
| | Swissprot | P08709 | |
| Product details | Reactivity | Human | Human |
| | Host | Goat | Goat |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5 mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5 | PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5 |
| | Purify | Antigen Affinity | Antigen Affinity |
| | Specificity | Detects Human F7 in ELISAs. | |


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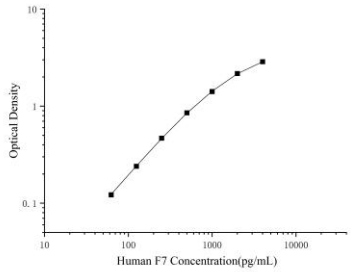
## Applications

Human F7 Sandwich ELISA Assay

| | Recommended Concentration/Dilution | Reagent | Images |
|---|---|---|---|
| ELISA Capture | 0.5-4 μg/mL | Human F7 Capture Antibody |  |
| ELISA Detection | 1:1000-1:10000 | Human F7 Detection Antibody (Biotin) | |



**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

This gene encodes coagulation factor VII which is a vitamin K-dependent factor essential for hemostasis. This factor circulates in the blood in a zymogen form , and is converted to an active form by either factor IXa , factor Xa , factor XIIa , or thrombin by minor proteolysis. Upon activation of the factor VII , a heavy chain containing a catalytic domain and a light chain containing 2 EGF-like domains are generated , and two chains are held together by a disulfide bond. In the presence of factor III and calcium ions , the activated factor then further activates the coagulation cascade by converting factor IX to factor IXa and/or factor X to factor Xa. Defects in this gene can cause coagulopathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.



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