**A** Mouse COMP protein repeat organization

Coiled-coil heptad repeats  | EGF repeats | TSP3 repeats | C-terminal globule
---|---|---|---
Signal peptide

**B** Recombinant mouse COMP fragments

- pCOMP: His$_6$-
- mCOMP: His$_6$-
- EGF1-III8: His$_6$-
- TIII1-CG: His$_6$-
- EGF1-4: His$_6$-
- TIII1-8: His$_6$-
- CG: His$_6$-

**C**

![Graph showing absorbance over time](image)

**D**

- Rat-COMP
- pCOMP
- mCOMP
- EGF1-III8
- EGF1-4
- TIII1-CG
- TIII1-8
- CG

**Legend:**

- Rat-COMP
- pCOMP
- mCOMP
- EGF1-III8
- EGF1-4
- TIII1-CG
- TIII1-8
- CG

**Absorbance (OD 405 nm)**

**Days After Immunization**

Values are presented as mean ± SD, n=3-5. *p≤0.05* compared to other groups.