PROFILE OF RABBIT EARLY PREGNANCY FACTOR (EPF) POLYCLONAL ANTIBODY OF INDUCTION OF ISOLATED ETTAWA GOAT GRADE EPF

Teguh Arief Rahman

ABSTRACT

The aim of the present study is to investigate rabbit EPF polyclonal antibody of induction of isolated Ettawa goat grade. EPF through eight weeks incubation in vivo production. Induction of isolated Ettawa goat grade EPF was applied in five males New Zealand white rabbits and one rabbit as control. Initially, rabbit were subcutaneously injected active immunization with isolated EPF in Completed Freund'S Adjuvant (CFA). While control rabbit was administrated with PBS (Phosphat Buffer Saline) in CFA. Two weeks post first immunization was performed booster with isolated EPF in an Incomplete Freund'S Adjuvant (IFA). Further, the next booster was done every week. Before booster was always executed taking serum for negative control. Then, EPF polyclonal antibody of rabbit was measured by Elisa indirect. Data of Titer EPF polyclonal antibody analysed with ANOVA and continued with test of BNJ 5 %. In this case used test of Tukey with Honestly Significant Difference (HSD). Increasing rabbit EPF polyclonal antibody occurred at second week, but these was no significantly difference among booster 2, 3 and 4, respectively. More over, between booster 4, 5 and 6 were also not different (p>0.05). The highest EPF polyclonal antibody titer was obtained in booster 6 and significantly difference with first immunization (p<0.01).

Keyword: EPF, Ettawa goat grade, polyclonal antibody.