CORRELATION OF ANTIBODY TITER AND LEVELS OF INTERLEUKIN-2 IN DOGS VACCINATED WITH RABIES IN MAROS REGENCY

Anicetus Savio Mutu

Abstrak

The aim of this study was to know correlation of IL-2 with titer antibody in dog which vaccination by using serological test with ELISA. Rabies disease is a strategic disease which is important to human, because case fatality rate reaches 100 %. Dog is the main vector of rabies disease in Indonesia. The prevention act through vaccination is effective enough to make the antibody titer protective 0.5 IU/ml. IL-2 is one of the factors in antibody development. The research result shows that there is a significance difference between vaccinated dog and unvaccinated dog with P=0.02, which means vaccination creates protective antibody titer and there is a significance difference on IL-2 value between the vaccinated and unvaccinated dog P=0.027. However, there is no significance correlation between IL-2 value with antibody titer which is shown by the value of R=0.123 and correlation coefficient 0.593

Keyword: Interleukin-2, antibody titer, rabies virus, ELISA.