

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

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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.