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## Product Datasheet

### Dog IL6 protein, His tag (active), Unconjugated GTX00077-PRO

Article Name	Dog IL6 protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00077-PRO
Supplier Catalog Number	GTX00077-pro
Alternative Catalog Number	GTX00077-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Canine
Conjugation	Unconjugated
NCBI	<a href="#">403985</a>
UniProt	<a href="#">P41323</a>
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Ala18~Met207 (NP_001003301.1)

## Application Notes

Cell proliferation of Raji cells after stimulated with IL6. Interleukin 6 (IL-6) is an interleukin that acts as both a pro-inflammatory cytokine and an anti-inflammatory myokine. Interleukin 6 is secreted by T cells and macrophages to stimulate immune response and also plays a role in fighting infection. It supports the growth of B cells and is antagonistic to regulatory T cells. To test the effect of IL6 on cell proliferation, Raji cells were seeded into triplicate wells of 96-well plates at a density of 5000 cells/well with 1% serum standard RPMI-1640 which contains various concentrations of recombinant dog IL6. After incubated for 5 days, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10  $\mu$ l of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37C. Proliferation of Raji cells after incubation with IL6 for 5 days observed by inverted microscope.