Coud-Clone Corp.

EPA079Ca61 100ug Eukaryotic Interleukin 6 (IL6) Organism Species: Canis familiaris; Canine (Dog) *Instruction manual* 

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

## [PROPERTIES]

**Source:** Eukaryotic expression. Host: 293F cell Residues: Phe21~Met207 Tags: N-terminal His Tag Homology: Mouse 39%, rat 41% Tissue Specificity: Lung, Spleen. Subcellular Location: Secreted. **Purity:** >95% **Endotoxin Level:** <1.0EU per 1µg (determined by the LAL method). **Traits:** Freeze-dried powder Buffer Formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300. Original Concentration: 200ug/mL Predicted isoelectric point: 5.8 Predicted Molecular Mass: 22.6kDa Accurate Molecular Mass: 27-33kDa as determined by SDS-PAGE reducing conditions. Applications: SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling. (May be suitable for use in other assays to be determined by the end user.)

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#### Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

- 1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
- 2. Relative charge: The composition of amino acids may affects the charge of the protein.
- 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
- 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
- 5. Polymerization of the target protein: Dimerization, multimerization etc.

## [ <u>USAGE</u> ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

### [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

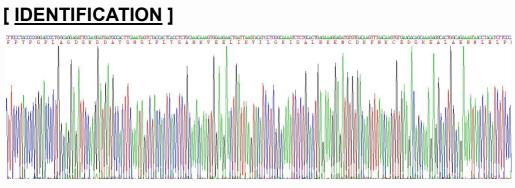
Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

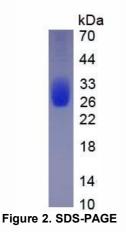
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [<u>SEQUENCE</u>]

FPTPGPLAGD SKDDATSNSL PLTSANKVEE LIKYILGKIS ALRKEMCDKF NKCEDSKEAL AENNLHLPKL EGKDGCFQSG FNQETCLTRI TTGLVEFQLH LNILQNNYEG DKENVKSVHM STKILVQMLK SKVKNQDEVT TPDPTTDASL QAILQSQDEC VKHTTIHLIL RSLEDFLQFS LRAVRIM







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