

Active Recombinant Feline IL10

Cat. No. IL10-215F **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the feline IL10 (P55029.2) (Ser19-Ile178) was expressed with an initial Met at the N-terminal.
Species	Feline
Source	E.coli
ProteinLength	Ser19-Ile178
Form	Lyophilized from sterile PBS, pH7.4.
Bio-activity	1. Immobilized felineIL10at 10 µg/ml (100 µl/well) can bind Cynomolgus IL10RA-Fc, The EC50 of Cynomolgus IL10RA-Fc is 0.14-0.32 µg/ml.2. Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED50 for this effect is typically 0.1-0.6 n
Molecular Mass	The recombinant feline IL10 consists of 161 amino acids and has a predicted molecular mass of 18.9 kDa. The apparent molecular mass of it is approximately 19 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C

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Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	IL10?interleukin 10 [?Felis catus?(domestic cat)]
Official Symbol	IL10
Synonyms	IL10; interleukin 10; CSIF; IL-10; cytokine synthesis inhibitory factor
Gene ID	493683
mRNA Refseq	NM_001009209
Protein Refseq	NP_001009209
UniProt ID	P55029
Chromosome Location	F1
Pathway	African trypanosomiasis; Allograft rejection; Autoimmune thyroid disease

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