

Recombinant Equine IL-10

Cat. No. IL10-103E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Equine IL-10 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
Species	Equine
Source	Yeast
Description	<p>The IL-10 family of cytokines consists of nine members: IL-10, IL-19, IL-20, IL-22, IL-24, IL-26, IL-28A, IL-28B, and IL-29. These cytokines elicit diverse host defense mechanisms. IL-10 family cytokines are essential for maintaining the integrity and homeostasis of tissue epithelial layers. By promoting innate immune response, members of this family can limit the damage caused by viral and bacterial infections. They can also facilitate the tissue-healing process in injuries caused by infection or inflammation. IL-10 itself is an anti-inflammatory cytokine. IL-10 family cytokines have indispensable functions in many infectious and inflammatory diseases. Across 12 species (Bovine IL-10, Canine IL-10, Chicken IL-10, Equine IL-10, Feline IL-10, Guinea Pig IL-10, Human IL-10, Mouse IL-10, Ovine IL-10, Rabbit IL-10, Swine IL-10, and Turkey IL-10), IL-10 homology varies greatly.</p>
Form	Lyophilized
Molecular Mass	18.6 kDa
AA Sequence	SRDRGTQSEN SCTHFPTSLP HMLHELRAAF SRVKTFQMK DQLDNMLLNG SLLEDFKGYL GCQALSEMIQ FYLEEVMPQA ENHGPDIKEH VNSLGEKTKT

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LRVRLRRCHR FLPCENKSKA VEQVKSFSK LQEKGVYKAM SEFDIFINYI
EAYMTTKMKN (160)

Applications

The Equine IL-10 protein can be used in cell culture, as a IL-10 ELISA Standard, and as a Western Blot Control.

Storage

-20 C

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