

Product datasheet

Recombinant horse IL-1RA protein (Active) ab243214

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Description

Product name	Recombinant horse IL-1RA protein (Active)
Biological activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by inhibiting IL-1 α -dependent proliferation of murine D10S cells is less than 3.0 μ g/ml, corresponding to a specific activity of >333 IU/mg in the presence of 50 pg/ml rHuIL-1 α .
Purity	> 95 % SDS-PAGE. >95% as determined by HPLC.
Endotoxin level	< 1.000 Eu/ μ g
Expression system	Escherichia coli
Accession	<u>O18999</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Horse
Sequence	HPLGKRPCCKMQAFRIWDVNQKTFYMRNNQLVAGYLQESN TKLQEKIDVVP IEPDALFLGLHGRKLCLACVKSGDEIRFQLEAVNITDLSKN KEENKRFTF IRSNSGPTTSFESAACPGWFLCTAQEADRPVSLTNKPKE SFMVTKFYLQE DQ
Predicted molecular weight	17 kDa
Amino acids	26 to 177
Additional sequence information	Full-length mature chain lacking the signal peptide.

Specifications

Our **Abpromise guarantee** covers the use of **ab243214** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies
	HPLC
	SDS-PAGE

Form

Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Constituent: PBS

0.2 µm filtered

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Briefly centrifuge prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20 °C or below. Further dilutions should be made in appropriate buffered solutions.

General Info

Relevance

Interleukin 1 receptor antagonist inhibits the activities of interleukin 1 alpha and beta, and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other related cytokine genes form a cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is associated with increased risk of developing osteoporosis and gastric cancer. Four alternatively spliced transcript variants encoding differentt isoforms have been reported.

Images



SDS Page analysis of ab243214

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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