abcam

Product datasheet

Recombinant horse IL-1RA protein (Active) ab243214

1 Image

Description

Product name Recombinant horse IL-1RA protein (Active)

Biological activity Fully biologically active when compared to standard. The ED₅₀ as determined by inhibiting \mathbb{L} -1 α -

dependent proliferation of murine D10S cells is less than 3.0 $\mu g/ml$, corresponding to a specific

activity of >333 IU/mg in the presence of 50 pg/ml rHulL-1 α .

Purity > 95 % SDS-PAGE.

>95% as determined by HPLC.

Endotoxin level < 1.000 Eu/µg
Expression system Escherichia coli

Accession <u>O18999</u>

Protein length Full length protein

Animal free No

Nature Recombinant

Species Horse

Sequence HPLGKRPCKMQAFRIWDVNQKTFYMRNNQLVAGYLQESN

TKLQEKIDVVP

 ${\tt IEPDALFLGLHGRKLCLACVKSGDEIRFQLEAVNITDLSKN}$

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

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

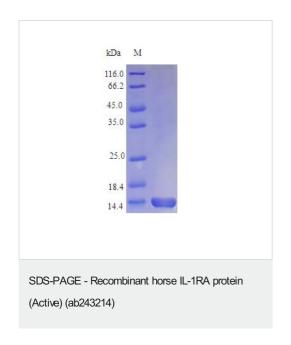
Briefly centrifuge prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20 °C or below. Further dilutions should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

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