

MonoRab™ Ractopamine Antibody (A6), mAb, Rabbit

PRODUCT INFORMATION

Description

Ractopamine is a feed additive to promote leanness in animals raised for their meat. It is a TAAR1 agonist and β adrenoreceptor agonist that stimulates β 1 and β 2 adrenergic receptors. Ractopamine is the active ingredient in Paylean, which has been banned for use in swine in many countries. Therefore, the availability of **GenScript MonoRab™ Ractopamine Antibody (A6), mAb, Rabbit** provides a useful and specific tool in the study of the Ractopamine detection.

Specificity

GenScript MonoRab™ Ractopamine Antibody (A6), mAb, Rabbit is developed using Ractopamine-HSA as an immunogen which is specific to Ractopamine. The specificity of the Ractopamine antibody is defined as the ratio of antigen concentration to cross-reactant concentration at 50% inhibition of maximum binding. The cross-reactivity data obtained in competitive ELISA system is as follows:

Compound	Cross-reactivity (%)
Ractopamine	100
Salbutamol	0.0304
Clenbuterol	0.0329

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide. (It may be customized for bulk orders.)

Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

Cat. No.: A01872-40

Host: Rabbit

Size: 40 μ g

Immunogen: Ractopamine coupled to HSA

Ig Subclass: IgG

Clone: A6

Purification: Protein A affinity column

Conjugation: Unconjugated

Version: 06/20/2017

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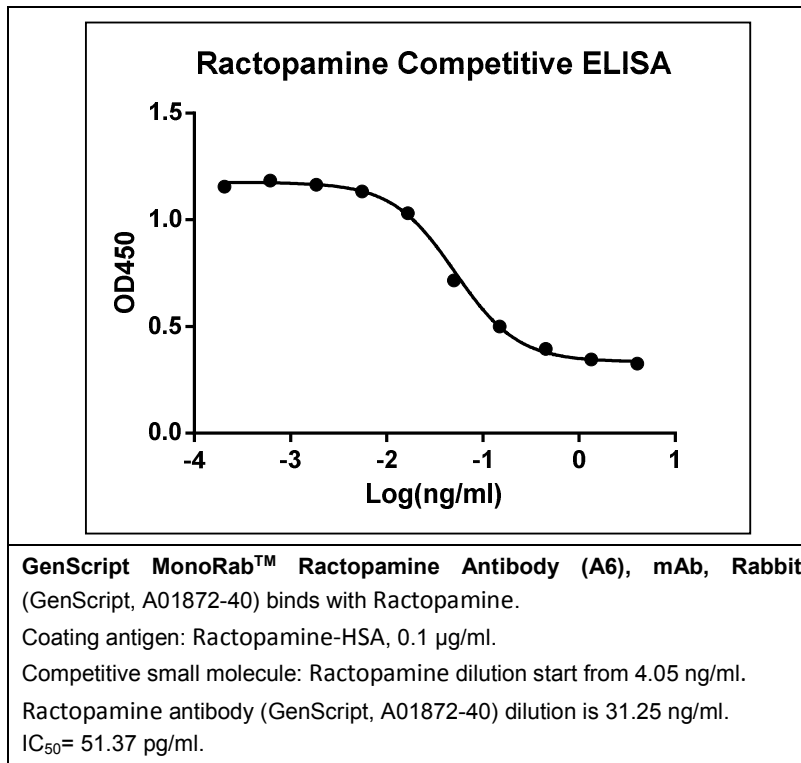
Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.1 $\mu\text{g/ml}$

Other applications: user-optimized

Example



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