

# MonoRab™ Ractopamine Antibody (A6), mAb, Rabbit

Cat. No.: A01872

## Overview

<b>Specificity</b>	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:
<b>Host Species</b>	Rabbit
<b>Immunogen</b>	Ractopamine coupled to HSA
<b>Conjugate</b>	Unconjugated

## 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.

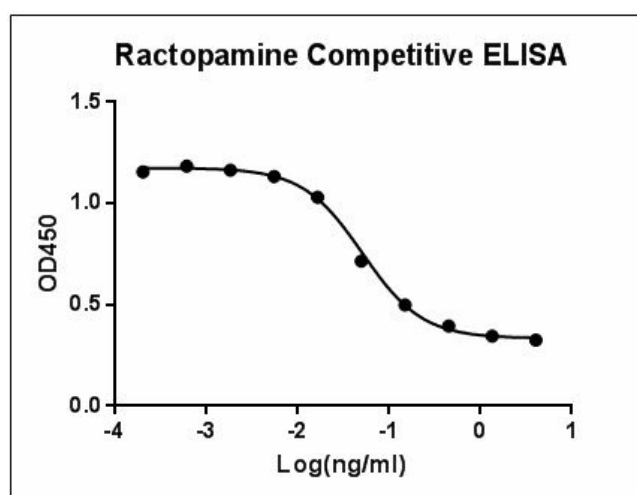
<b>Application</b>	<b>Recommended Usage</b>
ELISA	0.05-0.1 µg/ml

## Properties

<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.

<b>Storage Instructions</b>	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.
<b>Purification</b>	Protein A affinity column
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	A6
<b>Note</b>	GenScript can customize this product per customer's request including product size, buffer components, etc.

## Examples



GenScript MonoRab™ Ractopamine Antibody (A6), mAb, Rabbit (GenScript, A01872-40) binds with Ractopamine. Coating antigen: Ractopamine-HSA, 0.1 µg/ml. Competitive small molecule: Ractopamine dilution start from 4.05 ng/ml. Ractopamine antibody (GenScript, A01872-40) dilution is 31.25 ng/ml. IC50= 51.37 pg/ml.

## Background

**Target Background :** Ractopamine is a feed additive to promote leanness in animals raised for their meat. It is a TAAR1 agonist and  $\beta$  adrenoreceptor agonist that stimulates  $\beta$ 1 and  $\beta$ 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

**Synonyms :** Rabbit monoclonal to 4-[3-[[2-Hydroxy-2-(4-hydroxyphenyl) ethyl] amino] butyl] phenol

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**