

Mouse Monoclonal Antibody to Ractopamine

Catalogue Number sAP-0036

Target Molecule **Name:** Ractopamine

Aliases: N/A

MW: N/A

Entrez Gene ID: N/A

Description Ractopamine is a phenoethanolamine β -adrenoceptor agonist that is used for the improvement of weight gain, carcass leanness and feed efficiency in pigs. It has been known for years that ractopamine enhances growth in meat animals by repartitioning nutrients. This means that the nutrients that the animal consumes in its feed are shifted away from being stored as fat and are instead used in lean tissue production. This shift occurs as the animal reaches the top of its growth curve and lean tissue production drops off and fat deposition increases. Fat levels also appear to decrease, due to an increase in lipolysis (fat breakdown). Using the ractopamine monoclonal antibody, it is possible to detect ractopamine and other agonists in urine, muscle and liver both rapidly and with accuracy.

Immunogen Rac-OVA.

Recitative Species N/A

Clone MM Rac1;

Size and Concentration 100 μ g/1mg/ml

Supplied as Lyophilized Powder from 100 μ l of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages Reconstituted with 100 μ l sterile DI H₂O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Knaus, U.G. Science 1991. 254: 1512-1515. ; 2. Diekmann, D. Nature 1991. 351: 400-402. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**