

## Mouse Monoclonal Antibody to Ractopamine

Catalogue Number	sAP-0036
Target Molecule	<b>Name: Ractopamine</b> <b>Aliases: N/A</b> <b>MW: N/A</b> <b>Entrez Gene ID: N/A</b>
Description	Ractopamine is a phenylethanolamine $\beta$ -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.
Reactive Species	N/A
Clone	MMRac1;
Size and Concentration	100 $\mu$ g/1mg/ml
Supplied as	Lyophilized Powder from 100 $\mu$ l of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100 $\mu$ l sterile DI H <sub>2</sub> O, 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**