

## Product datasheet for **AM06105SU-N**

### Ractopamine Mouse Monoclonal Antibody [Clone ID: Rac1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Rac1
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Rac-OVA.
Specificity:	This antibody reacts to Ractopamine.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	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.



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