



Anti-Ractopamine monoclonal antibody, clone Sbd2 (DMAB8607)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal antibody to ractopamine.
Immunogen	Rac-BSA
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	Sbd2
Conjugate	Unconjugated
Applications	ELISA
Format	Ascitic fluid containing 0.03% sodium azide.
Size	100 µl
Preservative	0.03% Sodium Azide
Storage	Store at 4°C, for long term storage, store at -20°C.

BACKGROUND

Introduction	Ractopamine is a phenylethanolamine 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
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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 lypolysis (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.

Keywords

4-[3-[2-Hydroxy-2-(4-hydroxyphenyl)-ethyl]aminobutyl]phenol; Ractopamine
