Product datasheet

Anti-Clenbuterol antibody [1F8B10B7] ab32005

Overview

Product name: Anti-Clenbuterol antibody [1F8B10B7]
Description: Mouse monoclonal [1F8B10B7] to Clenbuterol
Host species: Mouse
Tested applications: Suitable for: ELISA
Species reactivity: Reacts with: Species independent
Immunogen: Clenbuterol conjugated to KLH

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.05% Sodium azide
Constituent: PBS
Purity: Protein G purified
Purification notes: Purified from tissue culture supernatant.
Clonality: Monoclonal
Clone number: 1F8B10B7
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab32005 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Target
Relevance

Clenbuterol belongs to the group of agonists. In livestock production, clenbuterol improves the meat/fat ratio in fattened animals or accelerates growth. Up to now, agonists have not been authorized as adjuvants for fattening. In addition to its lipolytic and anabolic effect, clenbuterol has a relaxing effect on non-striated musculature on which is based its therapeutic use as an antiasthmatic and a tocolytic agent. When employed as a fattening adjuvant, as compared with the therapeutic use, clenbuterol is administered in a 5 to 10 times higher dose. Therefore, it is possible that clenbuterol residues may lead to a risk for consumers after illegal administration. Using the clenbuterol monoclonal antibody, it is possible to detect clenbuterol and other agonists in urine, muscle, and liver both rapidly and with accuracy. Clenbuterol is a long acting beta 2 adrenergic agonist. Like other beta 2 agonists, clenbuterol is believed to act by stimulating production of cyclic AMP through the activation of adenyl cyclase. By definition, Beta 2 agonists have more smooth muscle relaxation activity (bronchial, vascular, and uterine smooth muscle) versus its cardiac effects (Beta 1).

Cellular localization

Secreted

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