# Clenbuterol Monoclonal Antibody

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| **Product Code** | CSB-MA000411I0m |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Immunogen** | Clenbuterol-BSA conjugate |
| **Raised In** | mouse |
| **Specificity** | No significant cross-reactivity or interference was observed |
| **Tested Applications** | ELISA |
| **Relevance** | Clenbuterol belongs to the group of agonists. In livestock production clenbuterol improves the meat/fat ratio in fattened animals or accelerate the 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 monocalantibody, 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). |
| **Form** | liquid |
| **Conjugate** | Non-conjugated |
| **Storage Buffer** | Preservative: 0.03% Proclin 300Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| **Purification Method** | >95%?protein G purifed |
| **Isotype** | IgG1 |
| **Clonality** | monoclonal |
| **Product Type** | Small Molecules Antibodies |
| **Target Names** | CL |
| **Accession NO.** | 4E2G9 |
| **Usage** | For Research Use Only. Not for use in diagnostic or therapeutic procedures. |