

**PRODUCT INFORMATION**

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clone ID</b>                         | 3E1                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Target</b>                           | Canine IL31                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>                         | Interleukin-31□IL-31                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Host Species</b>                     | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>                      | Anti-Canine IL31 antibody(3E1), Rabbit mAb                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Delivery</b>                         | In Stock                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Uniprot ID</b>                       | C7G0W1                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>IgG type</b>                         | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality</b>                        | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                       | Canine                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>                     | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Recommended Dilutions</b>            | ELISA 1/5000-10000                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>                     | Purified from cell culture supernatant by affinity chromatography                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                                                                                                                                                                                       |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.                                                                                                                                                                                    |
| <b>Background</b>                       | IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar 2008] |
| <b>Usage</b>                            | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                      |



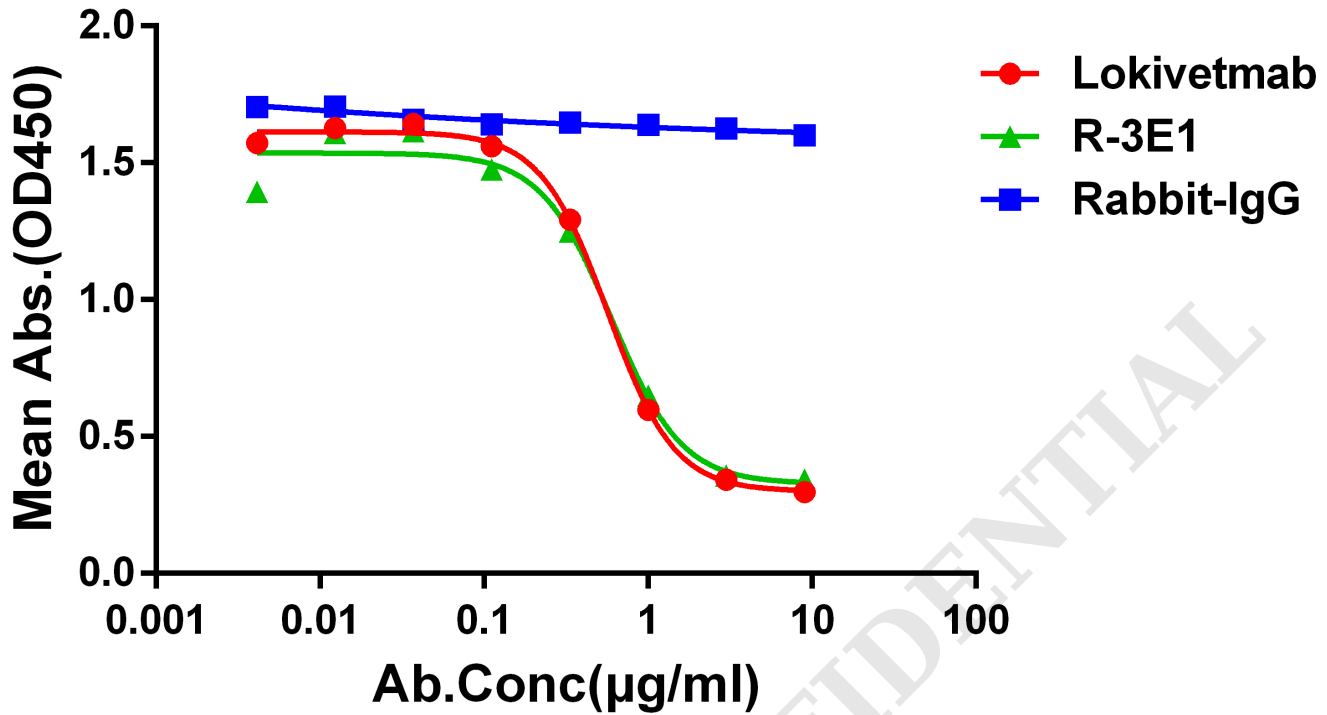


Figure 1. Elisa plates were pre-coated with His Tagged Canine IL31 protein (0.1µg/per well). 1µg of Canine IL31RA, mFc Tagged protein and serial dilutions of anti-Canine IL31 monoclonal antibody were added, and Goat anti Mouse IgG(Horseradish Peroxidase Conjugate) was used as the secondary antibody. From the above data, the biosimilar(Red) and clone 3E1(Green) have good competitive activity, and Rabbit IgG(Blue) was used as the Isotype Control.

