

PRODUCT INFORMATION

Clone ID	3E1
Target	Canine IL31
Synonyms	Interleukin-31□IL-31
Host Species	Rabbit
Description	Anti-Canine IL31 antibody(3E1), Rabbit mAb
Delivery	In Stock
Uniprot ID	C7G0W1
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	Canine
Applications	ELISA
Recommended Dilutions	ELISA 1/5000-10000
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	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.
Storage & Shipping	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.
Background	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]
Usage	Research use only



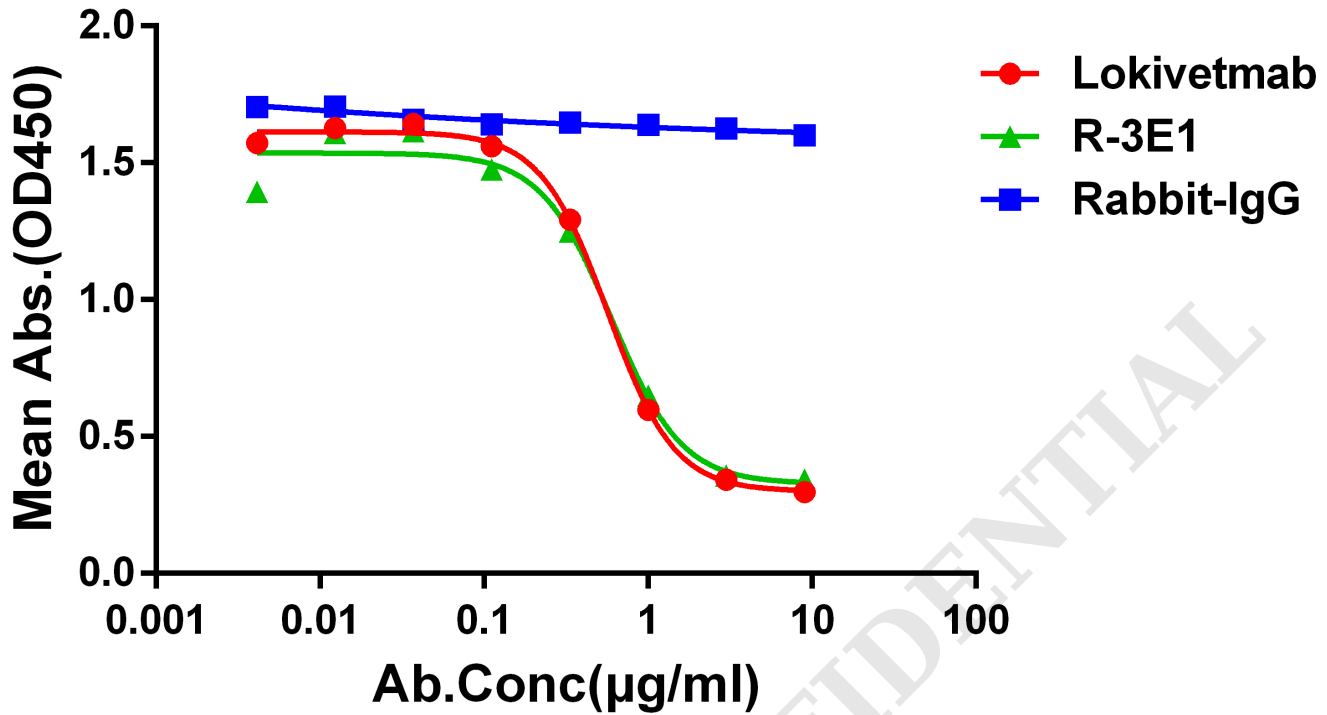


Figure 1. Elisa plates were pre-coated with His Tagged Canine IL31 protein (0.1µg/per well). 1µg of Canine IL31RA, mFc Tagged protein and serial dilutions of anti-Canine IL31 monoclonal antibody were added, and Goat anti Mouse IgG(Horseradish Peroxidase Conjugate) was used as the secondary antibody. 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.

