

Product Information	
Catalog No.	EL10163
Product name	Blosozumab ELISA Kit
Applications	ELISA
Accession	Q9BQB4
Detection method	Colorimetric
Sample type	Plasma, Serum
Assay type	Quantitative
Sensitivity	0.156 ug/ml
Range	0.31-5 ug/mL
Recovery	80-120%
Stability and Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 10% prior to the expiration date under appropriate storage condition.
Alternative Names	LY2541546, 1132758-87-2
Shipping	2-8 deg C
Note	For Research Use Only.

Background

Blosozumab is an IgG4-kappa type mouse monoclonal antibody optimized by humanization engineering with a molecular weight of 144.63 kDa. The monoclonal antibody was developed by Eli Lilly for the treatment of osteoporosis. Blosozumab can target and bind sclerostin (SOST) to play a biological role. In 2014, blosozumab was conducted a different doses of clinical trial about blosozumab was conducted to evaluate including drug safety, tolerance, pharmacokinetics and pharmacodynamics in postmenopausal women. The results showed that blosozumab had well tolerance and anabolic effect on bone, which could be used as a potential treatment for osteoporosis. In 2015, a randomized double-blind phase III trial of blosozumab in postmenopausal women with low bone mineral density showed that blosozumab treatment resulted in a significant dose-dependent increase in bone mineral density, which further supports the conclusion that blosozumab is a potential anabolic therapy for osteoporosis. In September of the same year, women who had completed treatment were followed up to evaluate the effect of discontinuation of blosozumab. It was found that there were no adverse events related to the treatment one year after the cessation of treatment, and the anti-drug antibodies in the patients generally decreased.