

Anti-Adalimumab Antibody (15C7), mAb, Mouse

Cat. No.: A01954

Overview

Specificity	The product is specific for Adalimumab. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody GenScript, A01956-40, Anti- Adalimumab Antibody (3C2) [Biotin], mAb, Mouse.
Host Species	Mouse
Immunogen	Adalimumab
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

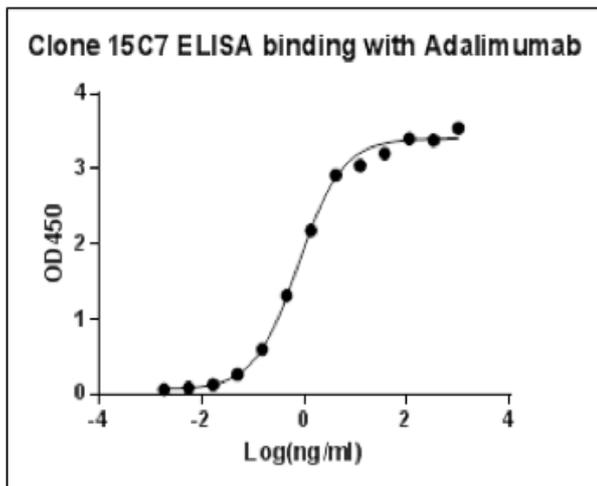
Application	Recommended Usage
ELISA	0.001-0.1 µg/ml

Properties

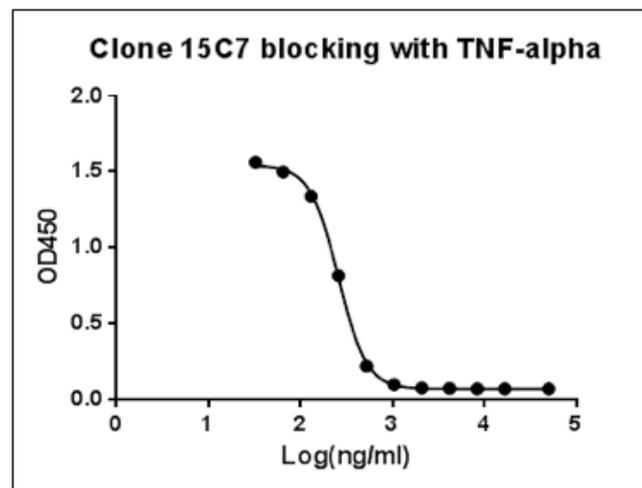
Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, contains 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid freeze/thaw cycles.
Purification	Protein A affinity column

Isotype	Mouse IgG2b, κ
Clonality	Monoclonal
Clone ID	15C7
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

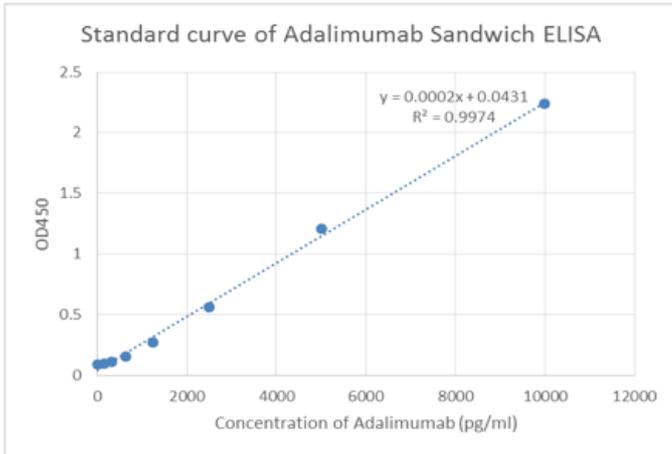
Examples



Anti-Adalimumab Antibody (15C7), mAb, Mouse (GenScript, A01954-40) binds with Adalimumab. While the antibody does not recognize the human IgG Fc fragment (data not shown). Coating antigen: Adalimumab, 1 μ g/ml. Anti-Adalimumab antibody (GenScript, A01954-40) dilution start from 1,000 ng/ml. EC_{50} = 0.7748 ng/ml.



Anti-Adalimumab Antibody (15C7), mAb, Mouse (GenScript, A01954-40) blocks Adalimumab binding with TNF-alpha. Coating antigen: Adalimumab, 0.5 μ g/ml. Anti-Adalimumab Antibody (15C7), mAb, Rabbit (GenScript, A01954-40) final concentration: 15 ng/ml. TNF-alpha dilution start from 50 μ g/ml. IC_{50} = 258.3 ng/ml.



Standard curve of Adalimumab Sandwich ELISA. The Adalimumab Sandwich ELISA assay is developed by using Anti-Adalimumab Antibody (15C7), mAb, Mouse (GenScript, A01954-40) and Anti-Adalimumab Antibody (3C2) [Biotin], mAb, Mouse (GenScript, A01956-40) as capture and detection antibody, respectively.

The sensitivity of detecting Rituximab is about 300 pg/ml.

Background

Target Background : Adalimumab, sold under the trade name Humira among others, is a medication used to treat rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis, Crohn's disease, ulcerative colitis, chronic psoriasis, hidradenitis suppurativa, and juvenile idiopathic arthritis. Adalimumab is a TNF-inhibiting, anti-inflammatory, biologic medication. It binds to tumor necrosis factor-alpha (TNF α), which normally binds to TNF α receptors, leading to the inflammatory response of autoimmune diseases. By binding to TNF α , adalimumab reduces this inflammatory response. Because TNF α is also part of the immune system, which protects the body from infection, treatment with adalimumab may increase the risk of infections.

Synonyms : Mouse monoclonal to Humira

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.