

Anti-Ustekinumab Antibody (5F9), mAb, Mouse

Cat. No.: A02117

Overview

Specificity	This product is specific for Ustekinumab
Host Species	Mouse
Immunogen	Ustekinumab
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations 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	0.01-1 µg/ml

Properties

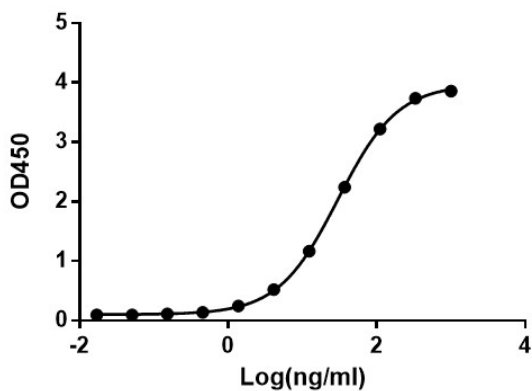
Form	Lyophilized
Storage Buffer	This product is lyophilized with PBS, pH 7.2, containing 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.
Storage Instructions	The lyophilized product remains stable up to 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 repeated freezing and thawing cycles.
Purification	Protein A affinity column
Isotype	Mouse IgG1, κ
Clonality	Monoclonal

Clone ID 5F9

Note GenScript can customize this product per customer's request including product size, buffer components, etc.

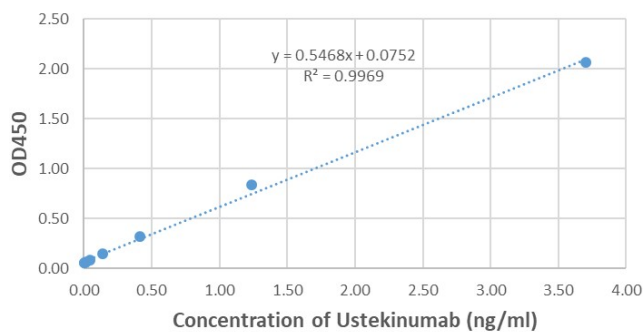
Examples

Anti-Ustekinumab Antibody (5F9) binds with Ustekinumab



ELISA binding of Anti-Ustekinumab Antibody (5F9), mAb, Mouse (GenScript, A02117-40) with Ustekinumab. While the antibody does not recognize the human IgG (data not shown). Coating antigen: Ustekinumab, 1 µg/ml. Anti-Ustekinumab Antibody (5F9), mAb, Mouse (GenScript, A02117-40) dilution start from 1,000 ng/ml. $EC_{50} = 30.08$ ng/ml.

Standard curve of Ustekinumab Sandwich ELISA



Standard curve of Ustekinumab Sandwich ELISA. The Ustekinumab Sandwich ELISA assay is developed by using Anti-Ustekinumab Antibody (9A5), mAb, Mouse (GenScript, A02118-40) and Anti-Ustekinumab Antibody (5F9), mAb, Mouse (GenScript, A02117-40) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Ustekinumab Antibody (5F9), mAb, Mouse (GenScript, A02117-40) was labeled with Biotin. GenScript can provide customized conjugation services for this product per the customer's request. The sensitivity of detecting Ustekinumab is up to 0.87 ng/ml.

Background

Target Background : Ustekinumab with trade name Stelara, is an FDA-approved drug to Crohn's disease, Ulcerative Colitis, Plaque Psoriasis and Psoriatic Arthritis, targeting both interleukins (IL)-12 and IL-23. Ustekinumab is a fully human immunoglobulin G1 kappa mAb that binds to IL-12 and IL-23. Ustekinumab binds to the p40 subunit common to IL-12 and IL-23 and prevents their interaction with the IL-12 receptor $\beta 1$ subunit of the IL-12 and IL-23 receptor complexes, thereby disrupting the proinflammatory pathway. Anti-Ustekinumab Antibody (5F9), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Ustekinumab.

Synonyms : Mouse monoclonal to Ustekinumab/Stelara

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