

Ustekinumab

Catalogue No.: abx831085

Ustekinumab is a monoclonal antibody biosimilar expressed in CHO cells, targeting IL12B, for use in laboratory research applications. This product is not suitable for use as medicines or in human, therapeutic or diagnostic applications.

Ustekinumab is a human immunoglobulin (Ig) G1 kappa monoclonal antibody directed against interleukin(IL)-12 and IL-23, which are cytokines that are involved in immune and inflammatory responses. 2 It was generated via recombinant human IL-12 immunization of human Ig (hu-Ig) transgenic mice. 2 It is a targeted biologic disease-modifying anti-rheumatic drug (bDMARDs) that is used in the management of various inflammatory conditions that involve the activation of IL-12 and IL-23 signalling pathways. Interleukin (IL)-12 and IL-23 are heterodimeric cytokines that evoke immune and inflammatory responses, such as natural killer cell activation and CD4+ T-cell differentiation and activation. The role of IL-12 and IL-23 were implicated in a variety of chronic inflammatory conditions, such as psoriasis and inflammatory bowel diseases. They modulate lymphocyte function, including T-helper (Th) 1 and Th17 cell subsets, 2 as CD4+ T cells can differentiate into T-helper (Th) effector lineages based on the environment. Th cells can further activate the downstream pro-inflammatory mediators and transcription factors such as TNF α and IFN γ that drive innate and adaptive immunity.

Target:	IL12B
Clonality:	Monoclonal
Reactivity:	Human
Expression:	Recombinant
Tested Applications:	ELISA, WB
Host:	Human
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Isotype:	IgG ₁ Kappa
Form:	Liquid
Purity:	> 95%
Purification:	Purified from cell culture supernatants by Protein A/G chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Buffer:	0.01 M PBS. pH 7.4.

Datasheet

Version: 2.0.0

Revision date: 01 Nov 2025



CAS Number: 815610-63-0

Concentration: Batch-dependent, typically between 0.5-2.0 mg/ml.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only