



Human Anti-Human IL 12/23 (Ustekinumab) Monoclonal Antibody, clone Ustekinumab [Biosimilar] (CABT-Z693H)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects human IL-12 and IL-23. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Ustekinumab.
Immunogen	Human IL-12 and IL-23.
Isotype	IgG1, κ
Source/Host	Human
Species Reactivity	Human
Clone	Ustekinumab
Purification	Protein A or G purified
Conjugate	Functional Grade
Applications	FA
Format	Liquid
Concentration	Lot specific
Size	5 mg
Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free. Endotoxin Level \leq 0.75 EU/mg as determined by the LAL method

Preservative	None
Storage	Store at 2-8°C for short term; -80°C for long term. Avoid freeze / thaw cycle.
Ship	Wet ice

BACKGROUND

Introduction	IL-12 is produced by dendritic cells, macrophages, neutrophils, and human B-lymphoblastoid cells. IL-23 is mainly secreted by activated dendritic cells, macrophages or monocytes. Briakinumab is a human monoclonal antibody targets the p40 subunit shared by interleukins 12 and 23. IL-12 associates with IL-23 α to form the heterodimeric cytokine IL-23. IL-23 is associated with various autoimmune inflammatory diseases, and is particularly highly expressed in psoriasis skin lesions. In addition, IL-23 is suspected to play a role in tumorigenesis. Briakinumab binds to and neutralizes human IL-12 and IL-23 (via their shared p40 subunit) and is being investigated for the treatment of rheumatoid arthritis, inflammatory bowel disease, and multiple sclerosis. Anti-Human IL 12/23 (Briakinumab) utilizes the same variable regions from the therapeutic antibody Briakinumab making it ideal for research projects.
---------------------	---

Keywords	Il12b;interleukin 12b;p40;Il-12b;Il12p40;Il-12p40
-----------------	---

GENE INFORMATION

Gene Name	IL12B
Entrez Gene ID	3593
UniProt ID	P29460