



# 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

<b>Specificity</b>	Detects human IL-12 and IL-23. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Ustekinumab.
<b>Immunogen</b>	Human IL-12 and IL-23.
<b>Isotype</b>	IgG1, κ
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	Human
<b>Clone</b>	Ustekinumab
<b>Purification</b>	Protein A or G purified
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	FA
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	5 mg
<b>Buffer</b>	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 ≤ 0.75 EU/mg as determined by the LAL method

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

## BACKGROUND

<b>Introduction</b>	<p>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<math>\alpha</math> 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.</p>
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<b>Keywords</b>	Il12b;interleukin 12b;p40;Il-12b;Il12p40;Il-12p40
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## GENE INFORMATION

<b>Gene Name</b>	IL12B
<b>Entrez Gene ID</b>	<a href="#">3593</a>
<b>UniProt ID</b>	<a href="#">P29460</a>