



Human Anti-Human IL 12/23 (Briakinumab) Monoclonal Antibody, clone ABT-874 [Biosimilar] (CABT-Z638H)

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

PRODUCT INFORMATION

Product Overview	Biosimilar Recombinant Human Monoclonal Antibody
Specificity	This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Briakinumab. Briakinumab recognizes both human IL12 and IL23 via IL-12/23p40.
Immunogen	This antibody was produced by phage display technology.
Isotype	IgG1, κ
Source/Host	Human
Species Reactivity	Human
Clone	ABT-874
Purification	Protein A or G purified
Conjugate	Functional Grade
Applications	BL, ELISA, FA, FC, IF, IP, Neut, WB Recommended concentration: FC: ≤ 0.25 µg per 10 ⁶ cells in a volume of 100 µl.
Format	Liquid
Concentration	Lot specific
Size	200 µg

Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 150 mM NaCl with no carrier protein, potassium, calcium or preservatives added. Endotoxin Level \leq 1.0 EU/mg as determined by the LAL method
Preservative	None
Storage	Functional grade biosimilar antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.
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