EBI3 Recombinant Monoclonal Antibody

Product Code	CSB-RA256644A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q14213
Immunogen	A synthesized peptide derived from Human EBI3
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:2000
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cancer;Immunology
Gene Names	EBI3
Clone No.	12H5

Image
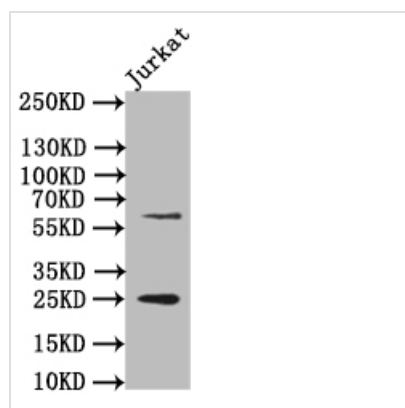
Western Blot
Positive WB detected in: JK whole cell lysate
All lanes: EBI3 antibody at 1:500
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 25 kDa
Observed band size: 25 kDa

Description

In the production of the EBI3 recombinant monoclonal antibody, in vitro expression systems are utilized, entailing the cloning of EBI3 antibody DNA sequences from immunoreactive rabbits. The immunogen used is a synthesized peptide derived from the human EBI3 protein. Subsequently, the genes encoding the EBI3 antibodies are inserted into plasmid vectors, and these recombinant plasmid vectors are transfected into host cells to enable antibody expression. The EBI3 recombinant monoclonal antibody then undergoes

purification through affinity chromatography and is subjected to extensive testing in ELISA and WB applications. These tests affirm its reactivity with the human EBI3 protein.

EBI3 is a crucial subunit of the IL-27 and IL-35 cytokines, which have diverse roles in the immune system. These cytokines can have both pro-inflammatory and anti-inflammatory functions, depending on the context, and are involved in immune regulation, infection control, and the maintenance of immune tolerance.