

Product datasheet for **CF501237**

BCL10 Mouse Monoclonal Antibody [Clone ID: OTI4A8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4A8
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human BCL10 (NP_003912) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26.1 kDa
Gene Name:	Homo sapiens BCL10 immune signaling adaptor (BCL10), transcript variant 1, mRNA.
Database Link:	NP_003912 Entrez Gene 12042 MouseEntrez Gene 83477 RatEntrez Gene 8915 Human



[View online »](#)

Background:

This gene was identified by its translocation in a case of mucosa-associated lymphoid tissue (MALT) lymphoma. The protein encoded by this gene contains a caspase recruitment domain (CARD), and has been shown to induce apoptosis and to activate NF-kappaB. This protein is reported to interact with other CARD domain containing proteins including CARD9, 10, 11 and 14, which are thought to function as upstream regulators in NF-kappaB signaling. This protein is found to form a complex with MALT1, a protein encoded by another gene known to be translocated in MALT lymphoma. MALT1 and this protein are thought to synergize in the activation of NF-kappaB, and the deregulation of either of them may contribute to the same pathogenetic process that leads to the malignancy.

Synonyms:

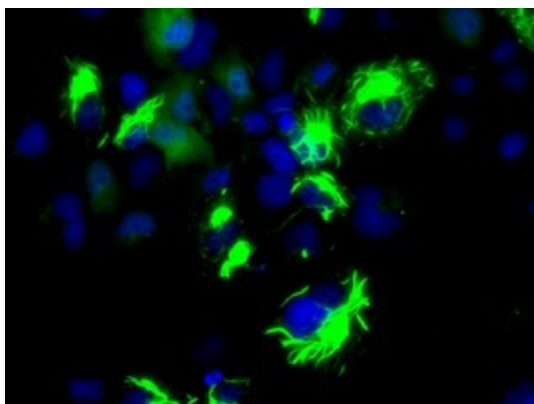
c-E10; CARMEN; CIPER; CLAP; IMD37; mE10

Protein Families:

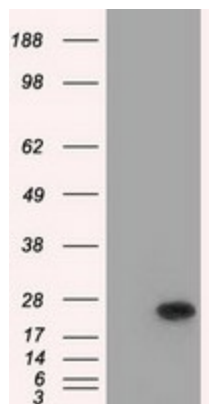
Druggable Genome

Protein Pathways:

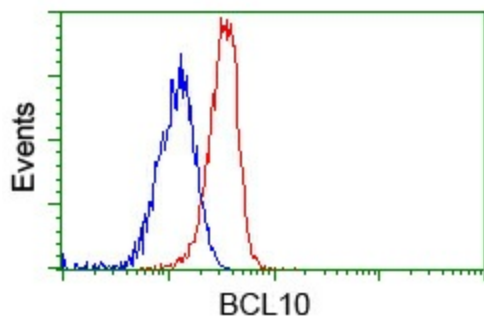
B cell receptor signaling pathway, T cell receptor signaling pathway

Product images:

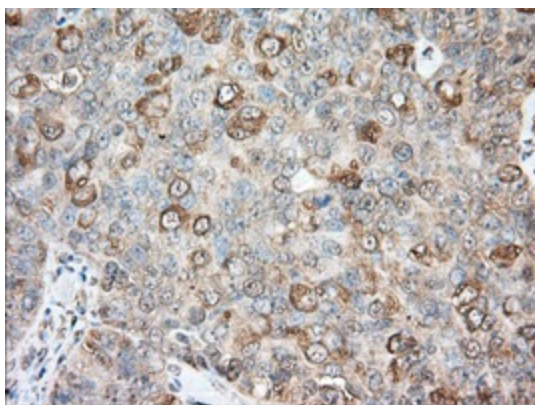
Anti-BCL10 mouse monoclonal antibody ([TA501237]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BCL10 ([RC208752]).



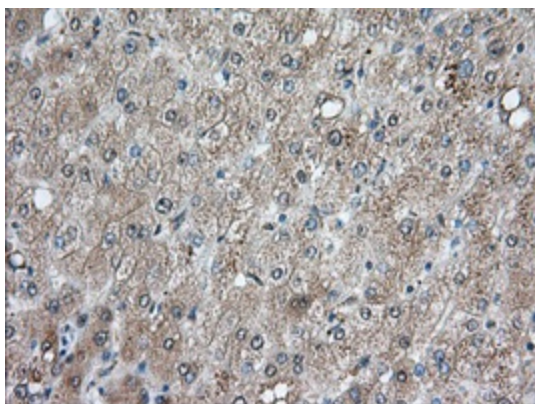
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BCL10 ([RC208752], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BCL10. Positive lysates [LY418351] (100ug) and [LC418351] (20ug) can be purchased separately from OriGene.



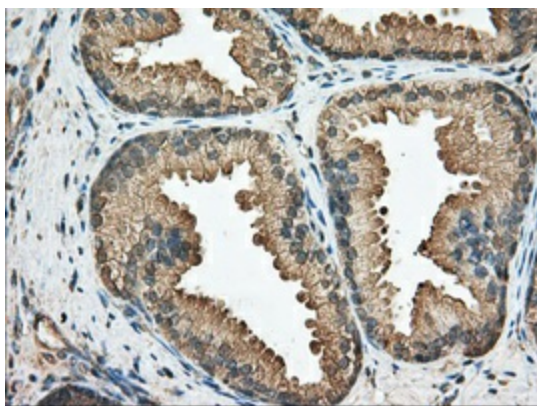
Flow cytometric Analysis of Jurkat cells, using anti-BCL10 antibody ([TA501237]), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-BCL10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501237], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-BCL10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501237], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-BCL10 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501237], Dilution 1:50)