

## Product datasheet for **AM32814PU-S**

### **BCL10 (122-168) Mouse Monoclonal Antibody [Clone ID: BL10/411]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BL10/411
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>ELISA</b> (Use Antibody without BSA for Coating). <b>Flow Cytometry:</b> 0.5-1 µg/10 <sup>6</sup> cells. <b>Immunofluorescence:</b> 1-2 µg/ml. <b>Western Blot:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 1-2 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> Use Bcl-10 BL10/411 antibody at 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. <b>Positive Control:</b> WEHI-231 or Ramos cells or lymphoma.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human Bcl-10 protein. <b>Epitope:</b> 122-168.
Specificity:	Recognizes Human Bcl-10. Other species not tested. This Monoclonal antibody abels subpopulations of normal B and T cells and is a useful tool for the sub-classification of lymphomas. In MALT lymphomas with the t(1;14) translocation, while 55% of MALT lymphomas lacking this translocation exhibited the same labeling pattern, although at a much lower level. <b>Cellular Localization:</b> Nuclear and Cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide



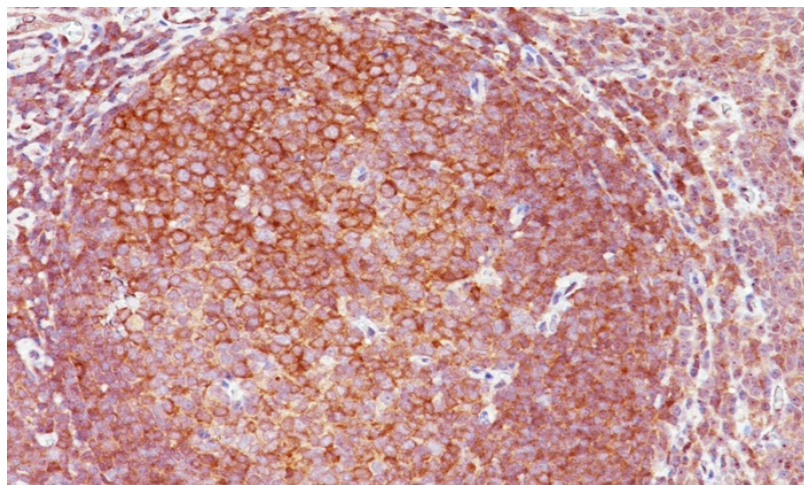
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Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	33 kDa
Gene Name:	B-cell CLL/lymphoma 10
Database Link:	<a href="#">Entrez Gene 8915 Human O95999</a>

**Background:** Bcl-10, also called CIPER, c-CARMEN and mE10, was first identified as a gene truncated or mutated in MALT B cell lymphomas and other tumor types. BCL10, with an N-terminal caspase recruitment domain (CARD), is found in a number of apoptotic regulatory molecules. It was identified through its direct involvement in t(1;14) of mucosa-associated lymphoid tissue (MALT) lymphoma. Expression of BCL10 was shown to induce NFκB activation in a NIK-dependent pathway. BCL10 was found to be expressed as a transcript of 4.2 kb in all normal and malignant tissues examined. It contains a CARD (caspase recruiting domain) domain and is involved in activation of caspase9 to induce apoptosis. It is known to induce activation of JNK, p38 and NF kappaB. Mutations in Bcl10 are observed in many B and T cell lymphomas implicating its role in pathogenesis of human cancer.

**Synonyms:** BCL10, CIPER, CLAP, cCARMEN, mE10, c-E10, hCLAP

### Product images:



Formalin-Fixed, Paraffin-Embedded Human tonsil stained with Bcl-10 Antibody (Clone BL10/411).