

## Product datasheet for **AM33259PU-T**

### **BCL10 (122-168) Mouse Monoclonal Antibody [Clone ID: SPM520]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM520
Applications:	FC, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> Use BSA Free antibody for coating. <b>Flow Cytometry:</b> 0.5-1 $\mu\text{g}/10^6$ cells. <b>Immunofluorescence:</b> 1-2 $\mu\text{g}/\text{ml}$ . <b>Western Blotting:</b> 0.5-1 $\mu\text{g}/\text{ml}$ . <b>Immunoprecipitation:</b> 1-2 $\mu\text{g}/500$ $\mu\text{g}$ protein lysate. <b>Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:</b> 0.5-1 $\mu\text{g}/\text{ml}$ 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 (epitope aa122-168)
Specificity:	This Monoclonal antibody labels 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.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	ProteinA/G Chromatography



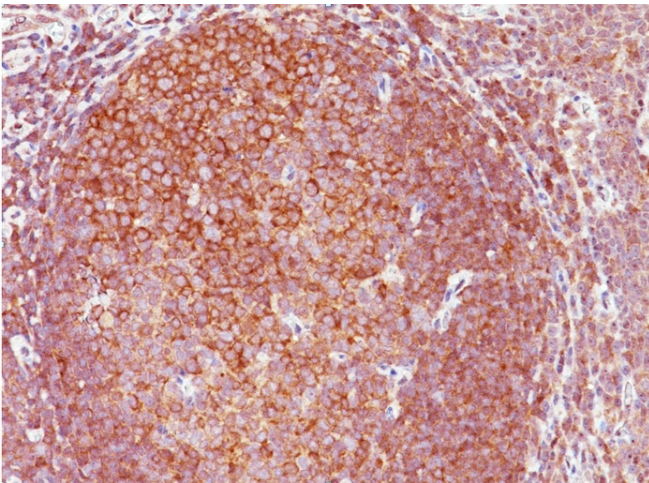
[View online »](#)

Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
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:** 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 / CIPER/ CLAP / mE10 is expressed in many human and murine tissues. It contains a CARD (caspase recruiting domain) domain and is involved in activation of caspase9 to induce apoptosis. It is a cellular homolog of equine herpesvirus 2 E-10. 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-Paraffin Human tonsil stained with Bcl-10 Antibody (Clone SPM520).