

## Product datasheet for **TA389077**

### Phospho-CBL (pTyr700) Mouse Antibody [Clone ID: M161]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M161
Applications:	WB
Recommended Dilution:	<b>WB:</b> 1:1000
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone (M161) was generated from a synthetic peptide (coupled to KLH) corresponding to amino acid residues surrounding tyrosine 700 in human c-Cbl. This sequence is highly conserved in rat and mouse c-Cbl.
Specificity:	The antibody detects a 120 kDa* protein in human Jurkat cells treated with pervanadate, but not in control cells.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	120
Database Link:	<a href="#">P22681</a>



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**Background:**

c-Cbl proto-oncogene is a ubiquitously expressed cytoplasmic adaptor protein that is especially predominant in hematopoietic cells. c-Cbl possesses a highly conserved amino-terminal phosphotyrosine binding domain and a C3HC4 RING finger motif. c-Cbl is rapidly tyrosine phosphorylated in response to stimulation of a variety of cell-surface receptors and becomes associated with a number of intracellular signaling molecules such as protein tyrosine kinases, phosphatidylinositol 3 kinase (PI3K), Crk and 14-3-3 proteins. In human cancer tissues, c-Cbl is frequently tyrosine phosphorylated in a tumor-specific manner. Src-family kinases primarily phosphorylate c-Cbl at Tyr-700, Tyr-731, and Tyr-774. These sites of phosphorylation provide docking sites for downstream signaling components, such as Grb-2, PI3K, and Fyn.

**Note:**

Protein G purified tissue culture supernatant.