



# COTL1 mouse mAb

<b>Catalog No</b>	BYmab-11219
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	COTL1 CLP
<b>Protein Name</b>	COTL1
<b>Immunogen</b>	Synthesized peptide derived from human COTL1 AA range: 29-79
<b>Specificity</b>	This antibody detects endogenous levels of COTL1 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm . Cytoplasm, cytoskeleton . Nucleus .
<b>Tissue Specificity</b>	Widely expressed with highest levels in placenta, lung, kidney and peripheral blood leukocytes and lower levels in brain, liver and pancreas.
<b>Function</b>	function: Binds to F-actin in a calcium-independent manner. Has no direct effect on actin depolymerization.,similarity: Belongs to the actin-binding proteins ADF family. Coactosin subfamily.,similarity: Contains 1 ADF-H domain.,subunit: Interacts with 5-lipoxygenase (5LO) in a calcium-independent manner.,tissue specificity: Widely expressed with highest levels in placenta, lung, kidney and peripheral blood leukocytes and lower levels in brain, liver and pancreas.,
<b>Background</b>	This gene encodes one of the numerous actin-binding proteins which regulate the actin cytoskeleton. This protein binds F-actin, and also interacts with 5-lipoxygenase, which is the first committed enzyme in leukotriene biosynthesis. Although this gene has been reported to map to chromosome 17 in the

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Smith-Magenis syndrome region, the best alignments for this gene are to chromosome 16. The Smith-Magenis syndrome region is the site of two related pseudogenes. [provided by RefSeq, Jul 2008],

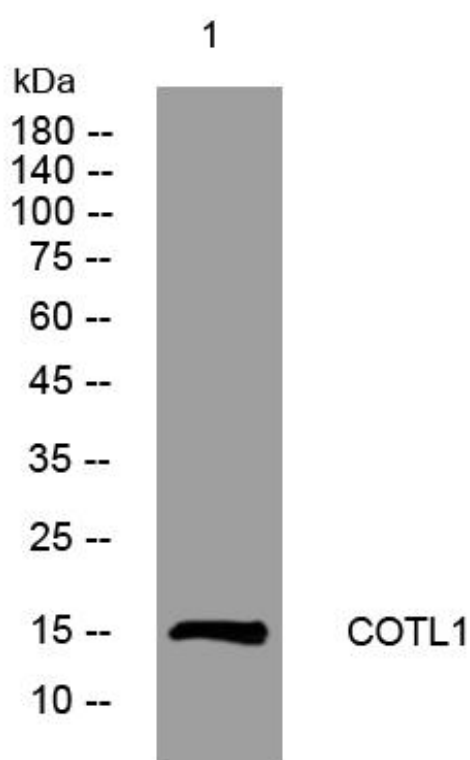
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using COTL1 mouse mAb

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