

## Product datasheet

# Human c-Myc peptide ab13837

### 製品の概要

製品名 Human c-Myc peptide

### 製品の詳細

由来 Synthetic

### アミノ酸配列

生物種 Human

### 特性

Our [Abpromise guarantee](#) covers the use of **ab13837** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

#### アプリケーション

Blocking - Blocking peptide for Anti-Myc tag antibody [9E10] - ChIP Grade ([ab32](#)), Anti-Myc tag antibody ([ab172](#)), Anti-Myc tag antibody (Agarose) ([ab1253](#)), Anti-Myc tag antibody (HRP) ([ab1261](#)), Anti-Myc tag antibody (FITC) ([ab1263](#)), Anti-Myc tag antibody (HRP) ([ab1326](#)), Anti-Myc tag antibody (FITC) ([ab1393](#)), Anti-Myc tag antibody (FITC) ([ab1394](#)), Anti-Myc tag antibody ([ab9106](#)), Anti-Myc tag antibody ([ab9109](#)), Anti-Myc tag antibody - ChIP Grade ([ab9132](#)), Anti-Myc tag antibody [Myc.A7] ([ab18185](#))

#### 製品の状態

Liquid

#### 備考

- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.
- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.
- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.
- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.
- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.

### 前処理および保存

#### 保存方法および安定性

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

Information available upon request.

## 関連情報

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機能	Participates in the regulation of gene transcription. Binds DNA in a non-specific manner, yet also specifically recognizes the core sequence 5'-CAC[GA]TG-3'. Seems to activate the transcription of growth-related genes.
関連疾患	Note=Overexpression of MYC is implicated in the etiology of a variety of hematopoietic tumors. Note=A chromosomal aberration involving MYC may be a cause of a form of B-cell chronic lymphocytic leukemia. Translocation t(8;12)(q24;q22) with BTG1. Defects in MYC are a cause of Burkitt lymphoma (BL) [MIM:113970]. A form of undifferentiated malignant lymphoma commonly manifested as a large osteolytic lesion in the jaw or as an abdominal mass. Note=Chromosomal aberrations involving MYC are usually found in Burkitt lymphoma. Translocations t(8;14), t(8;22) or t(2;8) which juxtapose MYC to one of the heavy or light chain immunoglobulin gene loci.
配列類似性	Contains 1 basic helix-loop-helix (bHLH) domain.
翻訳後修飾	Phosphorylated by PRKDC. Phosphorylation at Thr-58 and Ser-62 by GSK3 is required for ubiquitination and degradation by the proteasome. Ubiquitinated by the SCF(FBXW7) complex when phosphorylated at Thr-58 and Ser-62, leading to its degradation by the proteasome. In the nucleoplasm, ubiquitination is counteracted by USP28, which interacts with isoform 1 of FBXW7 (FBW7alpha), leading to its deubiquitination and preventing degradation. In the nucleolus, however, ubiquitination is not counteracted by USP28, due to the lack of interaction between isoform 4 of FBXW7 (FBW7gamma) and USP28, explaining the selective MYC degradation in the nucleolus. Also polyubiquitinated by the DCX(TRUSS) complex.
細胞内局在	Nucleus > nucleoplasm. Nucleus > nucleolus.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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