

## Product datasheet

# Anti-MUM1 antibody [MUM1p] ab12501

★★★★☆ 1 Abreviews 3 References 画像数 1

### 製品の概要

製品名	Anti-MUM1 antibody [MUM1p]
製品の詳細	Mouse monoclonal [MUM1p] to MUM1
由来種	Mouse
アプリケーション	適用あり: IHC-P
種交差性	交差種: Human
免疫原	Recombinant MUM1 protein.
ポジティブ・コントロール	Tonsil.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium Azide Constituents: 1% BSA, Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	MUM1p
アイソタイプ	IgG1

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab12501** 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	Abreviews	特記事項
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IHC-P

### 追加情報

IHC-P: 1/10 - 1/25. Perform heat mediated antigen retrieval with 1 mM EDTA buffer, pH 9.0 before commencing with IHC staining protocol. We suggest an incubation period of 30-60

minutes at room temperature.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## ターゲット情報

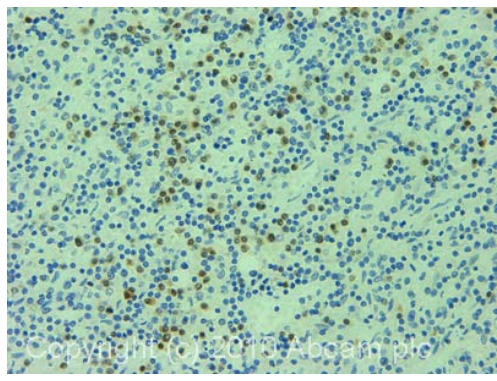
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機能	Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) of the MHC class I promoter. Binds the immunoglobulin lambda light chain enhancer, together with PU.1. Probably plays a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells.
組織特異性	Lymphoid cells.
関連疾患	Defects in IRF4 are a cause of multiple myeloma (MM) [MIM:254500]. MM is a malignant tumor of plasma cells usually arising in the bone marrow and characterized by diffuse involvement of the skeletal system, hyperglobulinemia, Bence-Jones proteinuria and anemia. Complications of multiple myeloma are bone pain, hypercalcemia, renal failure and spinal cord compression. The aberrant antibodies that are produced lead to impaired humoral immunity and patients have a high prevalence of infection. Amyloidosis may develop in some patients. Multiple myeloma is part of a spectrum of diseases ranging from monoclonal gammopathy of unknown significance (MGUS) to plasma cell leukemia. Note=A chromosomal aberration involving IRF4 is found in multiple myeloma. Translocation t(6;14)(p25;q32) with the IgH locus.
配列類似性	Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain.
細胞内局在	Nucleus.

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## 画像

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-MUM1 antibody [MUM1p] (ab12501)

IHC image of ab12501 staining in human Hodgkin's lymphoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab12501, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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