



Mouse Anti-Human MUM1 monoclonal antibody, clone JID738 (CABT-L2922)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human MUM1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID738
Conjugate	Unconjugated
Applications	IHC
Reconstitution	<p>The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.</p> <p>The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.</p>
Positive Control	Tonsil, Diffuse Large B-Cell Lymphoma, Plasmacytoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer

Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction Multiple Myeloma oncogene-1 (MUM1), also known as or Interferon Regulatory Factor 4 (IRF4), is a transcription factor that functions to regulate gene expression in response to the signaling pathways of interferon and other cytokines. MUM1 is expressed in the cytoplasm and nuclei of plasma cells, as well as in some T-cells and germinal center B-cells. Expression of MUM1 is present in a variety of hematolymphoid neoplasms and in malignant melanoma, but is absent from other human tumors. MUM1 expression has been indicated in both pediatric and adult diffuse large B-cell lymphoma (DLBCL), and, when the immunostaining status of CD10 and Bcl6 is also considered, Anti-MUM1 can be used to sub-distinguish germinal center type DLBCL from the non-germinal center type. Anti-MUM1 stains normal melanocytes, melanocytic nevi, and malignant melanoma in non-hematopoietic tissues, and can also stain other B-cell lymphomas such as lymphoplasmacytic lymphoma, grade 3 follicular lymphoma, primary central nervous system lymphoma, primary mediastinal large B-cell lymphoma, Burkitt-like lymphoma, and classical Hodgkin's lymphoma.

Keywords MUM1;melanoma associated antigen (mutated) 1;PWWP domain-containing protein MUM1;MUM 1;protein expandere;melanoma ubiquitous mutated protein;mutated melanoma-associated antigen 1;MUM-1;EXPAND1;HSPC211;FLJ14868;FLJ22283;MGC131891;MGC163315;

GENE INFORMATION

Gene Name	MUM1 melanoma associated antigen (mutated) 1 [Homo sapiens (human)]
Official Symbol	MUM1
Synonyms	MUM1; melanoma associated antigen (mutated) 1; MUM-1; EXPAND1; HSPC211; PWWP domain-containing protein MUM1; protein expandere; melanoma ubiquitous mutated protein; mutated melanoma-associated antigen 1;
Entrez Gene ID	84939
Protein Refseq	NP_116242

UniProt ID	J3KNX4
Chromosome Location	19p13.3
Function	nucleosome binding; protein binding;