



# Mouse Anti-Human MAGEC2 Monoclonal Antibody, clone MY-DU21.6 [Functional Grade] (CABT-Z474M)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	CT10/MAGE-C2 protein.
<b>Isotype</b>	IgG2a, κ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	MY-DU21.6
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Functional Grade
<b>Applications</b>	IHC-P, IF, WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.0. Contains no stabilizers or preservatives. Endotoxin Level<0.002 EU/μg by the LAL method.
<b>Preservative</b>	None
<b>Storage</b>	Store at the stock concentration at 4°C. Do not freeze.

## BACKGROUND

### Introduction

Melanoma-associated antigen C2 (MAGEC2), also known as CT10 and HCA587. MAGEC2 is one of many cancer/testis (CT)-antigens. CT antigens are thought to repress the expression of some genes necessary for cellular differentiation. Normally, MAGEC2 expression is restricted to male germ cells in the testis however, MAGE-C2 is abnormally expressed in a wide variety of malignancies, including hepatocellular carcinoma, melanoma, bladder cancer, breast cancer, sarcoma, and lung cancer. MAGEC2 positive tumors are associated with reduced overall survival rates in prostate, hepatocellular, breast, and non-small cell lung carcinomas. Since MAGEC2 is highly expressed in cancer cells but absent from normal adult tissues it is considered an ideal target for cancer immunotherapy.

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### Keywords

MAGEC2;melanoma antigen family C, 2;MAGEE1, melanoma antigen, family E, 1, cancer/testis specific;melanoma-associated antigen C2;cancer/testis antigen 10;CT10

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## GENE INFORMATION

### Gene Name

MAGEC2

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### Entrez Gene ID

[51438](#)

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### UniProt ID

[Q9UBF1](#)

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