



Mouse Anti-Sphingosine 1-Phosphate (S1P) monoclonal antibody, clone MU2113 (DMABB-JX106)

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

PRODUCT INFORMATION

Specificity	This antibody has limited cross reactivity with other lipids based on data from a competitive ELISA.
Immunogen	Thiolated S1P conjugated to KLH
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	MU2113
Purification	Affinity purified
Conjugate	Unconjugated
Applications	ELISA, IHC Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	1.0 mg/mL
Size	10 µg, 50 µg, 250 µg
Buffer	PBS, pH 7.4

Preservative	None
Storage	Store at 4°C for short term. Store at -20 °C or below for long term. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Sphingosine 1-Phosphate (S1P) is a key component of the sphingolipid signaling cascade. S1P initiates a proliferative, pro-angiogenic and anti-apoptotic sequence of events contributing to cancer progression. Recently, scientific literature has suggested that S1P is a potent tumorigenic growth factor that is likely released from tumor cells and that S1P may be a novel biomarker for early stage cancer detection. Sphingosine kinase has also been shown to be up-regulated in a variety of cancer types.
Keywords	Sphingosine-1-phosphate receptor; S1P; Sphingosine-1-Phosphoric Acid; G protein-coupled receptors