

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PRDM14 in ELISA.
Source	Monoclonal Rat IgG _{2B} Clone # 856235
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse PRDM14 Met1-Glu191 Accession # E9Q3T6
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

PRDM14 is an approximately 65 kDa transcriptional inhibitor that contains one histone methylating PR/SET domain (aa 243 – 360) and six zinc finger repeats (aa 390 - 558). PRDM14 is preferentially expressed in germ cells and undifferentiated embryonic stem cells in which it plays a central role in lineage specification, maintenance of pluripotency, and repression of somatic gene transcription. PRDM14 is upregulated in breast cancer and lymphoblastic leukemia. Within aa 1-191, mouse PRDM14 shares 46% aa sequence identity with human PRDM14.

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