

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse GDPD2.
Source	Monoclonal Mouse IgG _{2A} Clone # 501016
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human GDPD2 Accession # Q9HCC8
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

Glycerophosphodiester phosphodiesterase 3 (GDPD2), also known as GDE3, is a 65 kDa 7TM cell surface protein that is highly expressed in bone and spleen. GDPD2 promotes osteoblast differentiation and induces changes in the actin cytoskeleton. Its 225 amino acid (aa) N-terminal ECD contains a domain that is homologous to bacterial glycerophosphodiester phosphodiesterases. Human GDPD2 shares 85% aa sequence identity with mouse and rat GDPD2.

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