

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DPPA5/ESG1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human DPPA4 or recombinant mouse DPPA5.
Source	Monoclonal Mouse IgG ₁ Clone # 319606
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human DPPA5/ESG1 Met1-Lys116 Accession # A6NC42
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

Western Blot 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

Human DPPA5 (Developmental Pluripotency Associated 5), also called ESG1 (embryonal stem cell-specific 1) is expressed in embryonic germ cells and embryonic stem cells and is a potential marker for pluripotent stem cells. Human and mouse DPPA5 share 63% amino acid sequence identity.

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