

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human DPPA5/ESG1

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.