

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PIGF-2 in direct ELISAs.
Source	Recombinant Monoclonal Rat IgG _{2A} Clone # 62526R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant mouse PIGF-2 Ala24-Pro158 Accession # P49764
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
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 either lyophilized or 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.

Blockade of Receptor-ligand Interaction	In a functional ELISA, 0.015-0.06 µg/mL of this antibody will block 50% of the binding of 4 ng/mL of Recombinant Mouse PIGF-2 to immobilized Recombinant Human Flt-1/Fc Chimera coated at 1 µg/mL (100 µL/well).
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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	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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

PIGF is a member of the VEGF family of growth factors, and it binds with high-affinity to VEGF R1. As a result of alternative splicing, three human PIGF mRNAs encode PIGF-1 (PIGF₁₃₁), PIGF-2 (PIGF₁₅₂) and PIGF-3 (PIGF₂₀₃). Normal mouse tissues express only a 158 amino acid precursor that is the equivalent of human PIGF-2.