

Anti-PIGF Reference Antibody (TB-403)

Catalog # APR11385

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P49763
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	24789

Additional Information

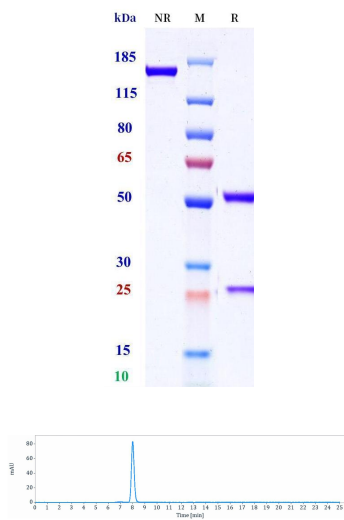
Target/Specificity	PIGF
Expression system	CHO

Protein Information

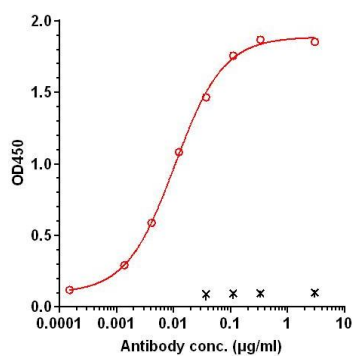
Name	PGF
Synonyms	PGFL, PLGF
Function	Growth factor active in angiogenesis and endothelial cell growth, stimulating their proliferation and migration. It binds to the receptor FLT1/VEGFR-1. Isoform PIGF-2 binds NRP1/neuropilin-1 and NRP2/neuropilin-2 in a heparin-dependent manner. Also promotes cell tumor growth.
Cellular Location	Secreted. Note=The three isoforms are secreted but PIGF-2 appears to remain cell attached unless released by heparin
Tissue Location	While the three isoforms are present in most placental tissues, PIGF-2 is specific to early (8 week) placenta and only PIGF-1 is found in the colon and mammary carcinomas

Images

Anti-PIGF Reference Antibody (TB-403) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-PIGF Reference Antibody (TB-403) is 98.7%, determined by SEC-HPLC.



Immobilized hu-PIGF-his at 2 µg/mL can bind TB-403, EC50= 0.01054 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.