



Human progesterone induced blocking factor (PIBF) Elisa kit

Product Code	CSB-E12872h
Abbreviation	PIBF1
Uniprot No.	Q8WXW3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	0.195 ng/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Others
Gene Names	PIBF1
Tag Info	quantitative
Protein Description	Competitive

Description

The human progesterone-induced blocking factor (PIBF) Elisa kit is suitable for the quantitative measurement of human PIBF in serum, plasma, or tissue homogenates. This assay employs the competitive inhibition enzyme immunoassay technique and enzyme-substrate chromogenic reaction. The color develops oppositely to the amount of human PIBF in samples. The color development is stopped and the intensity of the color is measured. This kit displays many advantages, including sensitivity and specificity.

PIBF, encoded by the PIBF1 gene, plays an important in the support of healthy pregnancies and the maintenance of progesterone-dependent immunoregulation by the mother. It induces the decidual transformation of endometrial stromal cells, which is a prerequisite for successful implantation. Levels of PIBF are decreased in women at risk of premature pregnancy termination and preterm births. PIBF regulates key effector functions, including shifting cytokine synthesis and cytotoxic cell activity towards a more immunotolerant state. PIBF is regarded as a promising therapeutic marker in lymphocyte immunotherapy for the reduction of miscarriage risk.