

# Human Breast cancer susceptibility protein 1 (BRCA1) ELISA Kit



Catalog No: #EK12117

Orders: order@signalwayantibody.com

Package Size: #EK12117-1 48T #EK12117-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Breast cancer susceptibility protein 1 (BRCA1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BRCA1; BRCC1; BROVCA1; IRIS; PSCP; RNF53; BRCA1/BRCA2-containing complex; subunit 1 RING finger protein 53 breast and ovarian cancer susceptibility protein 1 breast and ovarian cancer susceptibility protein 1
Accession No.	P38398
Uniprot	P38398
GeneID	672;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.065 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich Test principle: This assay employs a two-site sandwich ELISA to quantitate BRCA1 in samples. An antibody specific for BRCA1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BRCA1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BRCA1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BRCA1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**BRCA1 is a human gene, some mutations of which are associated with a significant increase in the risk of breast cancer, as well as other cancers. BRCA1 belongs to a class of genes known as tumor suppressors, which maintains genomic integrity to prevent dangerous genetic changes. The multifactorial BRCA1 protein product is involved in DNA damage repair especially error-free repair of DNA double strand breaks, ubiquitination, transcriptional regulation as well as other functions. The BRCA1 protein is directly involved in the repair of damaged DNA. In the nucleus of many types of normal cells, the BRCA1 protein is thought to interact indirectly with RAD51 during repair of DNA double-strand breaks, though the details and significance of this interaction is the subject of debate.

---

Note: This product is for in vitro research use only