

**E92483Hu 96 Tests**  
**Enzyme-linked Immunosorbent Assay Kit**  
**For Formin Binding Protein 1 (FNBP1)**  
**Organism: Homo sapiens (Human)**  
**Instruction manual**

FOR IN VITRO USE AND RESEARCH USE ONLY  
 NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

7th Edition (Revised in November, 2011)

**[ INTENDED USE ]**

The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FNBP1 in human tissue homogenates and other biological fluids.

**[ REAGENTS AND MATERIALS PROVIDED ]**

Reagents	Quantity	Reagents	Quantity
Pre-coated, ready to use 96-well strip plate	1	Plate sealer for 96 wells	4
Standard (lyophilized)	2	Standard Diluent	1×20mL
Detection Reagent A (green)	1×120μL	Assay Diluent A (2 × concentrate)	1×6mL
Detection Reagent B (red)	1×120μL	Assay Diluent B (2 × concentrate)	1×6mL
TMB Substrate	1×9mL	Stop Solution	1×6mL
Wash Buffer (30 × concentrate)	1×20mL	Instruction manual	1

**[ MATERIALS REQUIRED BUT NOT SUPPLIED ]**

1. Microplate reader with 450 ± 10nm filter.
2. Precision single or multi-channel pipettes and disposable tips.
3. Eppendorf Tubes for diluting samples.
4. Deionized or distilled water.
5. Absorbent paper for blotting the microtiter plate.
6. Container for Wash Solution

**[ STORAGE OF THE KITS ]**

1. **For unopened kit:** All the reagents should be kept according to the labels on vials. The **Standard, Detection Reagent A, Detection Reagent B** and the **96-well strip plate** should be stored at -20°C upon receipt while the others should be at 4 °C.
2. **For opened kit:** When the kit is opened, the remaining reagents still need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and reseal along entire edge of zip-seal.

**Note:**

It is highly recommended to use the remaining reagents within 1 month provided this is within the expiration date of the kit.

**[ SAMPLE COLLECTION AND STORAGE ]**

**Tissue homogenates** - The preparation of tissue homogenates will vary depending upon tissue type. For this assay, tissues were rinsed in ice-cold PBS(0.02mol/L,pH 7.0-7.2) to remove excess blood thoroughly and weighed before homogenization. Minced the tissues to small pieces and homogenized them in 5-10 mL of PBS with a glass homogenizer on ice(Micro Tissue Grinders woks, too). The resulting suspension was sonicated with an ultrasonic cell disrupter or subjected to two freeze-thaw cycles to further break the cell membranes. After that, the homogenates were centrifugated for 5 minutes at 5000×g. Remove the supernate and assay immediately or aliquot and store at  $\leq -20^{\circ}\text{C}$ .

**Other biological fluids** - Centrifuge samples for 20 minutes at 1000×g. Remove particulates and assay immediately or store samples in aliquot at  $-20^{\circ}\text{C}$  or  $-80^{\circ}\text{C}$ . Avoid repeated freeze/thaw cycles.