

## Human Ubiquitin D (UBD) ELISA Kit

Catalog No: #EK5950



Package Size: #EK5950-1 48T #EK5950-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human Ubiquitin D (UBD) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DADB-115L1.4; FAT10; GABBR1; UBD-3; diubiquitin
Accession No.	O15205
Uniprot	O15205
GeneID	10537;
Storage	<p>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.</p> <p>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).</p>

## Application Details

Detect Range:3.12-200 ng/mL

Sensitivity:1.34 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:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate UBD in samples. An antibody specific for UBD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyUBD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UBD 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 UBD bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Ubiquitin D is a protein encoded by the UBD gene.Using selective cDNA hybridization of a YAC containing the HLA-F locus region on chromosome 6, followed by Southern and Northern blot analyses, Fan et al. (1996) isolated a cDNA, which they called 1F12, encoding a protein similar to diubiquitin. The 1.1-kb transcript was detected only in B-cell lines transformed by Epstein-Barr virus. By subtractive hybridization of dendritic cell (DC) libraries and EST database searching, Bates et al. (1997) obtained a full-length cDNA encoding diubiquitin. The predicted 165-amino acid protein has 2 ubiquitin-like domains, each of which has 2 cysteines. Southern blot analysis indicated that the cDNA represents a single-copy gene.

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Note: This product is for in vitro research use only