

Human One cut domain family member 2 (ONECUT2) ELISA Kit



Catalog No: #EK11482

Orders: order@signalwayantibody.com

Package Size: #EK11482-1 48T #EK11482-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human One cut domain family member 2 (ONECUT2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC120377; MGC120378; OC-2; OC2; ONECUT-2 homeodomain transcription factor[one cut domain; family member 2]onecut 2
Accession No.	O95948
Uniprot	O95948
GeneID	9480;
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:2.50-160 pg/mL

Sensitivity:0.9 pg/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 ONECUT2 in samples. An antibody specific for ONECUT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyONECUT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ONECUT2 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 ONECUT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:HNF6a encodes a member of the onecut family of transcription factors, which are characterized by a cut domain and an atypical homeodomain. The protein binds to specific DNA sequences and stimulates expression of target genes, including genes involved in melanocyte and hepatocyte differentiation. This CCDS representation uses the 5'-most in-frame start codon, which is conserved in other vertebrates, including mouse, opossum, pig and zebrafish. An alternative downstream start codon, which has a stronger Kozak signal, also exists. It is possible that leaky scanning by ribosomes would allow the downstream start codon to be used, at least some of the time. The use of the downstream start codon would result in a protein that is 20 aa shorter at the N-terminus. There is no experimental evidence showing which start codon is preferentially used in vivo.

Note: This product is for in vitro research use only