



Human Desmoglein-3(DSG3) ELISA kit

Product Code	CSB-EL007205HU
Abbreviation	DSG3
Protein Biological Process 1	Cell Adhesion
Target Name	desmoglein 3 (pemphigus vulgaris antigen)
Uniprot No.	P32926
Alias	CDHF6, DKFZp686P23184, PVA, 130-kD pemphigus vulgaris antigen desmoglein 3 pemphigus vulgaris antigen
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	28 pg/mL-1800 pg/mL
Sensitivity	7 pg/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	Signal Transduction
Gene Names	DSG3
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human DSG3 ELISA Kit was designed for the quantitative measurement of Human DSG3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 28 pg/mL-1800 pg/mL and the sensitivity is 7 pg/mL.

Target Details

Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. This protein has been identified as the autoantigen of the autoimmune skin blistering disease



pemphigus vulgaris.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human DSG3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	92
	Range %	87-95
1:2	Average %	102
	Range %	97-105
1:4	Average %	91
	Range %	85-94
1:8	Average %	97
	Range %	92-101

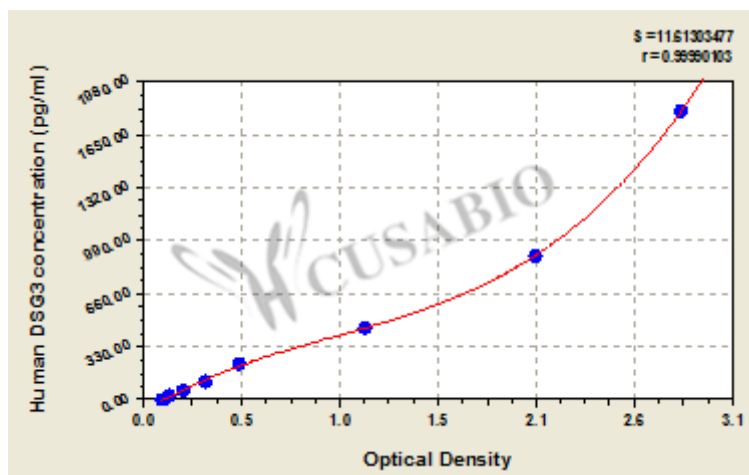
Recovery

The recovery of human DSG3 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	91	85-97
EDTA plasma (n=4)	95	90-99

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
1800	2.826	2.778	2.802	2.696
900	2.090	2.000	2.045	1.939
450	1.157	1.164	1.161	1.055
225	0.518	0.498	0.508	0.402
112	0.335	0.323	0.329	0.223
56	0.219	0.214	0.217	0.111
28	0.147	0.142	0.145	0.039
0	0.105	0.107	0.106	

Msds

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