



Human melanoma-associated antigen 3 (MAGE-3) ELISA Kit

Product Code	CSB-E15769h
Abbreviation	MAGEA3
Target Name	melanoma antigen family A, 3
Uniprot No.	P43357
Alias	CT1.3, HIP8, HYPD, MAGE3, MAGEA6, MGC14613, MAGE-3 antigen antigen MZ2-D cancer/testis antigen family 1, member 3 melanoma-associated antigen 3
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, urine, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 ng/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	Cancer
Gene Names	MAGEA3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human MAGEA3 ELISA Kit was designed for the quantitative measurement of Human MAGEA3 protein in serum, plasma, urine, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
Target Details	This gene is a member of the MAGEA gene family. The members of this family encode proteins with 50 to 80% sequence identity to each other. The promoters and first exons of the MAGEA genes show considerable variability, suggesting that the existence of this gene family enables the same function to be expressed under different transcriptional controls. The MAGEA genes are clustered at chromosomal location Xq28. They have been implicated in some hereditary disorders, such as dyskeratosis congenita.
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 MAGE-3 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 %	97
	Range %	89-101
1:2	Average %	95
	Range %	87-99
1:4	Average %	88
	Range %	82-93
1:8	Average %	97
	Range %	91-101

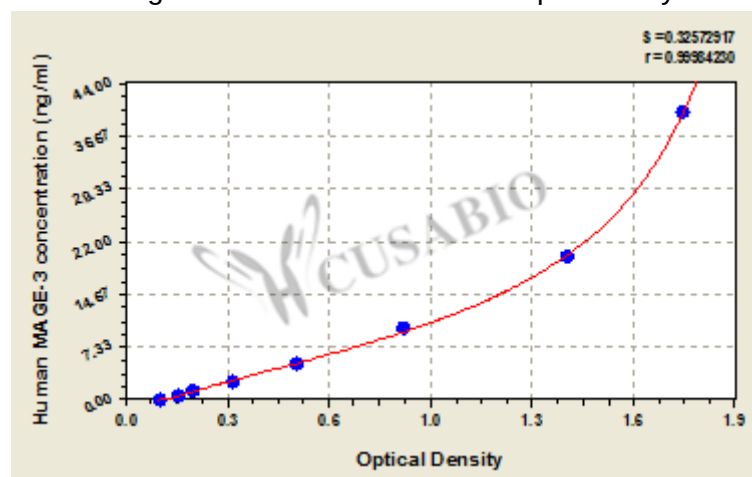
Recovery

The recovery of human MAGE-3 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)	104	92-107
EDTA plasma (n=4)	96	88-100

Typical

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



ng/ml	OD1	OD2	Average	Corrected
40	1.742	1.777	1.760	1.642
20	1.383	1.411	1.397	1.279
10	0.860	0.907	0.884	0.766
5	0.539	0.559	0.549	0.431
2.5	0.353	0.344	0.349	0.231
1.25	0.219	0.222	0.221	0.103
0.625	0.175	0.181	0.178	0.060
0	0.117	0.119	0.118	

**Msd**

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