Human Serine/threonine-protein kinase B-raf(BRAF) ELISA kit

Product Code	CSB-EL002791HU
Abbreviation	BRAF
Target Name	v-raf murine sarcoma viral oncogene homolog B1
Uniprot No.	P15056
Alias	B-RAF1, BRAF1, FLJ95109, MGC126806, MGC138284, RAFB1, 94 kDa B-raf protein|B-Raf|B-Raf proto-oncogene serine/threonine-protein kinase (p94)|murine sarcoma viral (v-raf) oncogene homolog B1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Cell Biology
Gene Names	BRAF
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human BRAF ELISA Kit was designed for the quantitative measurement of Human BRAF protein in serum, plasma, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X,

has been identified for this gene.

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 BRAF 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 %	90
	Range %	80-100
1:2	Average %	97
	Range %	91-105
1:4	Average %	99
	Range %	92-110
1:8	Average %	92
	Range %	86-98

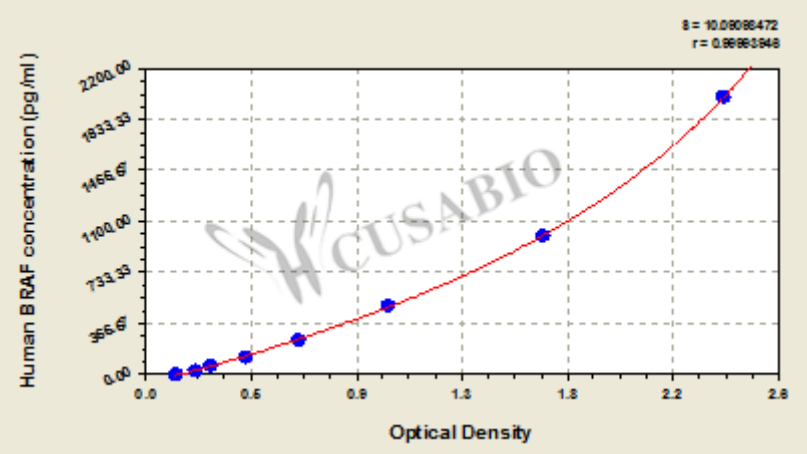
Recovery

The recovery of human BRAF 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)	95	89-104
EDTA plasma (n=4)	97	90-100

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
2000	2.408	2.432	2.420	2.279
1000	1.659	1.676	1.668	1.527
500	1.042	1.004	1.023	0.882
250	0.660	0.639	0.650	0.509
125	0.429	0.424	0.427	0.286
62.5	0.289	0.275	0.282	0.141
31.25	0.214	0.229	0.222	0.081
0	0.145	0.137	0.141	?

Msds

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