



Human Activity-regulated cytoskeleton-associated protein(ARC) ELISA kit

Product Code	CSB-EL001981HU
Abbreviation	ARC
Protein Biological Process 1	Immunity
Target Name	activity-regulated cytoskeleton-associated protein
Uniprot No.	Q7LC44
Alias	Arg3.1, KIAA0278
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Endocytosis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 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	Immunology
Gene Names	ARC
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human ARC ELISA Kit was designed for the quantitative measurement of Human ARC protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/mL.
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 ARC 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 %	107
	Range %	101-113
1:2	Average %	105
	Range %	102-109
1:4	Average %	88
	Range %	85-94
1:8	Average %	95
	Range %	92-98

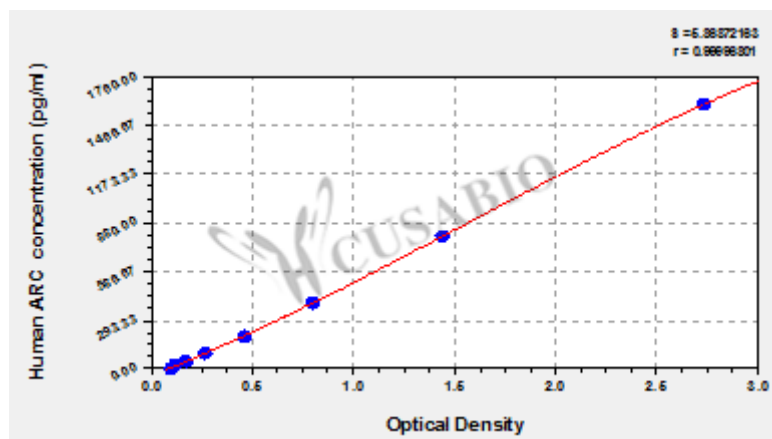
Recovery

The recovery of human ARC 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)	96	91-103
EDTA plasma (n=4)	88	86-92

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
1600	2.805	2.720	2.763	2.652
800	1.396	1.515	1.456	1.345
400	0.786	0.842	0.814	0.703
200	0.481	0.471	0.476	0.365
100	0.286	0.275	0.281	0.170
50	0.182	0.186	0.184	0.073
25	0.134	0.132	0.133	0.022
0	0.109	0.112	0.111	?

**Msd**

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