



Mouse CD81 antigen(CD81) ELISA kit

Product Code	CSB-EL004960MO
Abbreviation	CD81
Target Name	CD81 molecule
Uniprot No.	P35762
Alias	S5.7, TAPA1, TSPAN28, 26 kDa cell surface protein TAPA-1 CD81 antigen CD81 antigen (target of antiproliferative antibody 1) target of antiproliferative antibody 1
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	47 pg/mL-3000 pg/mL
Sensitivity	11.75 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	Cd81
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse CD81 ELISA Kit was designed for the quantitative measurement of Mouse CD81 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 47 pg/mL-3000 pg/mL and the sensitivity is 11.75 pg/mL.
Target Details	This protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies.
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 mouse CD81 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)
	Average %	97
1:1	Range %	92-101
	Average %	91
1:2	Range %	85-96
	Average %	84
1:4	Range %	80-88
	Average %	95
1:8	Range %	95-99

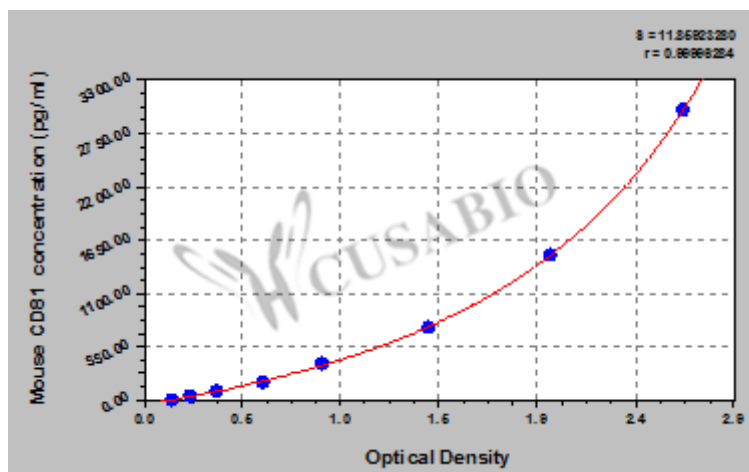
Recovery

The recovery of mouse CD81 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)	93	89-98
EDTA plasma (n=4)	104	100-113

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
3000	2.692	2.600	2.646	2.497
1500	2.057	1.938	1.998	1.849
750	1.376	1.428	1.402	1.253
375	0.909	0.854	0.882	0.733
187.5	0.589	0.609	0.599	0.450
94	0.365	0.371	0.368	0.219
47	0.239	0.247	0.243	0.094
0	0.152	0.145	0.149	?

Msds

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