

Mouse TNFR1/CD120a/TNFRSF1A ELISA Kit | TNFR1/CD120a/TNFRSF1A elisa kit

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CATALOG #
AAA258485

REACTIVITY
Mouse

PRODUCT SYNONYMS

TNFR1/CD120a/TNFRSF1A; Mouse TNFR1/CD120a/TNFRSF1A ELISA Kit; TNFR-1/CD120a ELISA Kit; Mouse; tumor necrosis factor receptor superfamily member 1A; CD120a ELISA Kit; FPF ELISA Kit; p55 ELISA Kit; p55-R ELISA Kit; TNF-alphaR1 ELISA Kit; TNF-R ELISA Kit; TNF-R-I ELISA Kit; TNF-R1 ELISA Kit; TNF-R55 ELISA Kit; TNFalpha-R1 ELISA Kit; TNFAR ELISA Kit; Tnfr-2 ELISA Kit; Tnfr1 ELISA Kit; TNFR60 ELISA Kit; TNFRI ELISA Kit; TNFRp55 ELISA Kit; TNFR1/CD120a/TNFRSF1A elisa kit

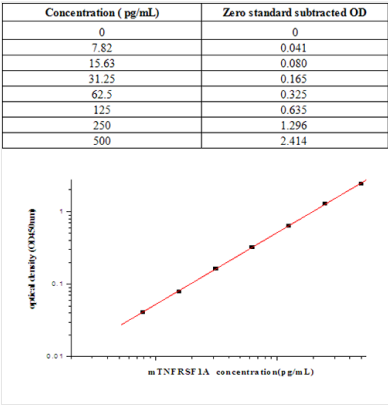
PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	For the quantitative determination of Mouse TNFR1/CD120a/TNFRSF1A concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	7.82-500pg/mL
Sensitivity	5.60pg/mL
Conjugation	HRP
Interference	Preparations of mouse TNFa(80-235) at 5ng/mL in a mid-range recombinant mouse TNFRSF1A control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

Recombinant mouse			
IL1A	IL1B	IL2	IL12B
TNFa(80-235)	IL6	IFNG	CCL3
VEGF164	IL18R1	IL17a	IL18
IL12A+IL12B	XCL1	TNFRSF10B	TNFRSF21
TNFRSF19	TNFRSF1B	CD27	FAS

Application Data

This assay recognizes both recombinant and natural Mouse TNFRSF1A. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for TNFR1/CD120a/TNFRSF1A elisa kit

This TNFR-1/CD120a ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse TNFR-1/CD120a protein in Serum. It contains recombinant Mouse TNFR-1/CD120a, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use.

Background: The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD120a (cluste of differentiation 120a), also known as TNFR1/TNFRSF1A, is a member of CD family, tumor necrosis factor receptor superfamily. CD120a is one of the most primary receptors for the tumor necrosis factor-alpha. It has been shown to be localized to both plasma membrane lipid rafts and the trans golgi complex with the help of the death domain (DD). CD120a can activate the transcription factor NF-kappaB, mediate apoptosis, and regulate inflammation processes.

References

Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5.
Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35.
Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters.134 (2): 104-12.
Cottin V, et al. (2002) Restricted localization of the TNF receptor CD120a to lipid rafts: a novel role for the death domain. The journal of immunology. 168: 4095-102.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.