10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human CellExp TNFR1 / CD120a / TNFRSF1A, human recombinant protein

TNFR1, CD120a, TNFRSF1A, FPF, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR55, TNFR60, p55, p60.

Catalog # PBV11005r

Specification

Human CellExp TNFR1 / CD120a / TNFRSF1A, human recombinant protein - Product info

Primary Accession	P19438
Calculated MW	**This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 22 kDa. The predicted N-terminus is Ile 22. DTT-reduced Protein migrates as 30-35 kDa due to different glycosylation. KDa**

Human CellExp TNFR1 / CD120a / TNFRSF1A, human recombinant protein - Additional Info

Gene ID	**7132**
Gene Symbol	**TNFRSF1A**

Other Names
TNFR1, CD120a, TNFRSF1A, FPF, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR55, TNFR60, p55, p60.

Gene Source	**Human**
Source	**HEK293 cells**
Assay&Purity	**SDS-PAGE; ≥92%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**Measured by its binding ability in a functional ELISA. Immobilized human TNFα at 10 μg/mL (100 μl/well) can bind biotinylated human TNFRSF1A. The EC50 of biotinylated human TNFRSF1A is 0.02 μg/mL.**

Target/Specificity
TNFR1 / CD120a / TNFRSF1A

Application Notes
Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 μg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Human CellExp TNFR1 / CD120a / TNFRSF1A, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp TNFR1 / CD120a / TNFRSF1A, human recombinant protein - Images

Human CellExp TNFR1 / CD120a / TNFRSF1A, human recombinant protein - Background

Tumor necrosis factor receptor 1 (TNF-R1) also known as Tumor necrosis factor receptor superfamily member 1A (TNFRSF1A), TNFAR, CD antigen CD120a, belongs to the tumor necrosis factor receptor superfamily. TNF-R1 contains one death domain and four TNFR-Cys repeats. TNF-R1 is the receptor of TNFSF2 / TNF-alpha and homotrimeric TNFSF1 / lymphotoxin - alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. TNF-R1 contributes to the induction of non - cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. Defects in TNFRSF1A are the cause of familial Hibernian fever (FHF).

Human CellExp TNFR1 / CD120a / TNFRSF1A, human recombinant protein - References

Loetscher H.,et al.Cell 61:351-359(1990).
Schall T.J.,et al.Cell 61:361-370(1990).
Himmler A.,et al.DNA Cell Biol. 9:705-715(1990).
Nophar Y.,et al.EMBO J. 9:3269-3278(1990).
Gray P.W.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:7380-7384(1990).