

IL-18BP (MM0379-10G36): sc-517545

BACKGROUND

IL-18 (also referred to as IL-1 γ) has been shown to augment the secretion of IFN- γ from T lymphocytes and to increase NK cell activity in spleen cells. IL-18 exhibits 19% and 12% identity with IL-1 α and IL-1 β , respectively, over the 12 β -strands of the β -trefoil fold domain, which is a signature feature of the IL-1 family. The unusual leader sequence of IL-18 may be analogous to the IL-1 β pro-domain, which must be cleaved by the serine protease ICE for optimal secretion and biological activity. IL-18, which was originally described as IGIF (IFN- γ -inducing factor), IL-18 is induced in mouse liver subsequent to challenge with lipopolysaccharide (LPS). IL-18 binding protein (IL-18BP) functions as an inhibitor of the early Th1 response by binding to IL-18 and inhibiting IFN- γ production. IL-18BP is a member of the immunoglobulin superfamily and shares some homology to IL-1RII.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IL18BP (human) mapping to 11q13.4.

SOURCE

IL-18BP (MM0379-10G36) is a mouse monoclonal antibody raised against recombinant IL-18BP of human origin.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4 $^{\circ}$ C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

IL-18BP (MM0379-10G36) is recommended for detection of IL-18BP of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for IL-18BP siRNA (h): sc-105566, IL-18BP shRNA Plasmid (h): sc-105566-SH and IL-18BP shRNA (h) Lentiviral Particles: sc-105566-V.

Molecular Weight of glycosylated IL-18BP isoforms: 35-45 kDa.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.