

Product datasheet

Recombinant human LTA protein ab168044

Overview

Product name	Recombinant human LTA protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P01374
Species	Human
Sequence	SAAQTARQHPKMHLAHLSTLKPAAHLIGDPSKQNSLLW RANTDRAFLQDGF SLSNNSLLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYL AHEVQLFSSQY PFHVPLLSSQKMVYPGLQEPWLHSMYHGAAFQLTQG DQLSTHTDGIPHLV LSPSTVFFGAFAL
Molecular weight	25 kDa including tags
Amino acids	43 to 205
Tags	DDDDK tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab168044** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	ab168044 binds to Human HVEM and Human and mouse TNF-R1 and TNF-R2. ab168044 kills Human TNF-R1 positive cells.
Applications	Functional Studies SDS-PAGE
Endotoxin level	< 0.100 Eu/μg
Purity	>95% by SDS-PAGE .
Form	Lyophilised

Additional notes ab168044 binds to Human HVEM and Human and mouse TNF-R1 and TNF-R2. ab168044 kills Human TNF-R1 positive cells.
This product was previously labelled as TNF beta

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C.
Constituent: 99% PBS
This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution Reconstitute with 100µl sterile water to a final concentration of 0.1mg/ml. Avoid freeze/thaw cycles. Further dilutions should be made with medium containing 5% fetal calf serum.

General Info

Function Cytokine that in its homotrimeric form binds to TNFRSF1A/TNFR1, TNFRSF1B/TNFR2 and TNFRSF14/HVEM. In its heterotrimeric form with LTA binds to TNFRSF3/LTBR. Lymphotoxin is produced by lymphocytes and cytotoxic for a wide range of tumor cells in vitro and in vivo.

Involvement in disease Genetic variations in LTA are a cause of susceptibility psoriatic arthritis (PSORAS) [MIM:607507]. PSORAS is an inflammatory, seronegative arthritis associated with psoriasis. It is a heterogeneous disorder ranging from a mild, non-destructive disease to a severe, progressive, erosive arthropathy. Five types of psoriatic arthritis have been defined: asymmetrical oligoarthritis characterized by primary involvement of the small joints of the fingers or toes; asymmetrical arthritis which involves the joints of the extremities; symmetrical polyarthritis characterized by a rheumatoidlike pattern that can involve hands, wrists, ankles, and feet; arthritis mutilans, which is a rare but deforming and destructive condition; arthritis of the sacroiliac joints and spine (psoriatic spondylitis).

Sequence similarities Belongs to the tumor necrosis factor family.

Cellular localization Secreted. Membrane. The homotrimer is secreted. The heterotrimer is membrane-associated.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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