

Product datasheet

Anti-TNF alpha antibody [EPR18565-33] ab222596

Recombinant RabMAb

1 Image

Overview

Product name	Anti-TNF alpha antibody [EPR18565-33]
Description	Rabbit monoclonal [EPR18565-33] to TNF alpha
Host species	Rabbit
Tested applications	Suitable for: Sandwich ELISA
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.
General notes	Anti-TNF alpha antibody is available in the Matched Antibody Pair Kit (ab213467).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18565-33
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab222596** in the following tested applications.

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

Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration.

Application	Abreviews	Notes
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Target

Function Cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation.

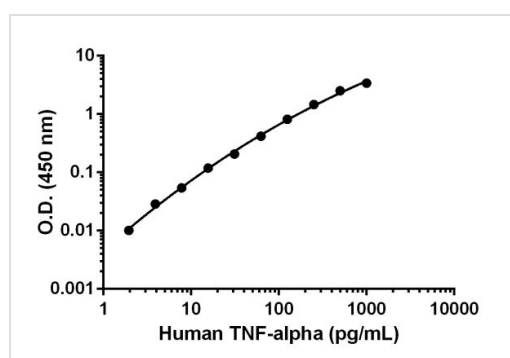
Involvement in disease Genetic variations in TNF are a cause of susceptibility psoriatic arthritis (PSORAS) [MIM:607507]. PSORAS is an inflammatory, seronegative arthritis associated with psoriasis. It is a heterogeneous disorder ranging from a mild, non-destructive disease to a severe, progressive, 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.

Post-translational modifications The soluble form derives from the membrane form by proteolytic processing. The membrane form, but not the soluble form, is phosphorylated on serine residues. Dephosphorylation of the membrane form occurs by binding to soluble TNFRSF1A/TNFR1. O-glycosylated; glycans contain galactose, N-acetylgalactosamine and N-acetylneuraminic acid.

Cellular localization Secreted and Cell membrane.

Images



Example of human TNF alpha standard curve in 1X Cell Extraction Buffer PTR using recombinant TNF alpha RabMAb antibody (ab222596) and a recombinant monoclonal antibody. Background-subtracted data values (mean +/- SD) are graphed.

For a matched antibody pair set, see Human TNF alpha Matched Antibody Pair Kit ([ab213467](#)).

Sandwich ELISA - Anti-TNF alpha antibody
[EPR18565-33] (ab222596)

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