



Rabbit Polyclonal Antibody to Human tumor necrosis Factor- Beta subunit (TNF- β)

Technical Data Sheet

Reagent Category

Rabbit Polyclonal primary antibody to TNF- β

Antibody Formats Supplied

0.2 ml of anti TNF- β , Concentrate

PRODUCT# IMI31352E (Concentrate)

SOURCE: Rabbit

IMMUNOGEN: Recombinant human TNF-Beta

REACTIVITY

Anti human TNF- β is a lymphokine that is secreted by mitogen activated T cells. TNF- β is secreted by lymphoblastoid cells in both 20 kD and 25 kD forms. TNF- β is and TNF- α share 30% homology in amino acid sequence and they share common receptors. This antibody is suitable for use on routinely fixed paraffin embedded (see Special usage guidance section of this data sheet) and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

POSITIVE CONTROL TISSUE: Lymph node, tonsil or other applicable tissues or cell lines

Antibody FORMAT, DILUTION and INCUBATION guidelines;

0.5 ml Concentrate; the working titer must be determined by the end user for the tissue and the staining reagents employed. The guideline starting dilution range: **1:25-1:50 for 30 minute to 1-hour incubation time.**

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT detection systems in conjunction with the use of Innovex Signal Enhancing Wash Buffer.

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, however, for best staining results, the use of Innovex STAT-Q (3-step) or HISTO-STAT (2-step) detection systems along with Innovex Signal -Enhancing Wash Buffer in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is highly recommended. The use of Innovex Enhancing Wash Buffers greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.

APPLICATIONS

This antibody is intended for use in immunolocalization of TNF- β by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative localization of TNF- β antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

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SPECIES REACTIVITY

This antibody reactivity with human and mouse cells has been substantiated. Human and mouse TNF- β display 79% homology at the amino acid level. Other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY