

Product datasheet for **AM31375PU-N**

Ebi3 Rat Monoclonal Antibody [Clone ID: DNT27]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DNT27
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot.
Reactivity:	Human, Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	EBI3 / IL-27B antibody was raised against mouse EBI3
Specificity:	The monoclonal antibody DNT27 reacts with Mouse Epstein-Barr Virus-induced gene 3 (EBI3).
Formulation:	Aqueous buffer containing 0.09% Sodium Azide and stabilizer if necessary State: Aff - Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	Epstein-Barr virus induced gene 3
Database Link:	Entrez Gene 10148 Human Entrez Gene 50498 Mouse O35228



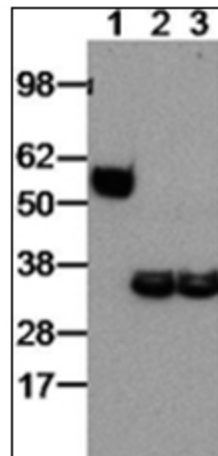
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Background:

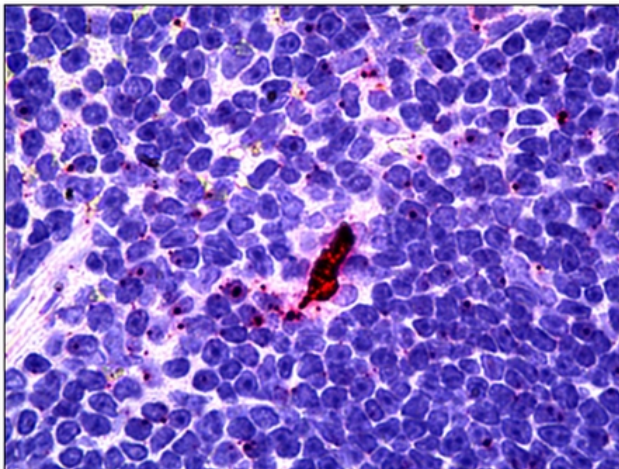
Ebi3 is a 229 amino acid cytokine belonging to the type I cytokine receptor family (type 3 subfamily) with a signal peptide, 2 potential N-linked glycosylation sites, an LSDWS motif, 2 fibronectin type-III domains. It is usually induced due to infection of B lymphocytes by Epstein-Barr virus and due to expression of an EBV encoded latent membrane protein. Ebi3 is a subunit of two heterodimeric cytokines interleukin-27 (IL27) and IL35. It is a secreted glycoprotein associated with calnexin and is a heterodimer with an alpha and a beta subunit. It is also known to interact with SQSTM1 and is responsible for the rapid clonal expansion of naive but not memory CD4 (+) T-cells. It strongly synergizes with IL-12 and trigger IFN-gamma production of naive CD4 (+) T-cells. It mediates its biologic effects through the cytokine receptor WSX-1/TCCR. It triggers signaling in T cells, B cells, and myeloid cells and along with p35 it acts as an important immunomodulator. It is usually expressed in various hemopoietic tissues and cell lines.

Synonyms:

IL-27 subunit beta, IL-27B

Product images:

Recombinant Mouse Ebi3/p28 (covalently linked IL-27) protein (Lane 1) and Mouse bone marrow-derived dendritic cells stimulated with LPS (Lane 2) or left untreated (Lane 3) were analyzed by SDS-PAGE followed by Immunoblotting with 5 ug/ml of Rat anti-Mouse Ebi3 antibody (DNT27). Bands were visualized with horseradish peroxidase (HRP)-conjugated Goat anti-Rat IgG.



Human Lymphoid-Dendritic Cells: Formalin-Fixed, Paraffin-Embedded (FFPE).

