

**EBI3 Antibody (clone DNT27)**  
**Rat Monoclonal Antibody**  
**Catalog # ALS14238****Specification**

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**EBI3 Antibody (clone DNT27) - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q14213</a>
Reactivity	Human, Mouse
Host	Rat
Clonality	Monoclonal
Calculated MW	25kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A

**EBI3 Antibody (clone DNT27) - Additional Information****Gene ID** 10148**Other Names**

Interleukin-27 subunit beta, IL-27 subunit beta, IL-27B, Epstein-Barr virus-induced gene 3 protein, EBV-induced gene 3 protein, EBI3, IL27B

**Reconstitution & Storage**

Store at 4°C, avoid repeated freeze thaw cycles.

**Precautions**

EBI3 Antibody (clone DNT27) is for research use only and not for use in diagnostic or therapeutic procedures.

**EBI3 Antibody (clone DNT27) - Protein Information****Name** EBI3**Synonyms** IL27B**Function**

Associates with IL27 to form the IL-27 interleukin, a heterodimeric cytokine which functions in innate immunity. IL-27 has pro- and anti-inflammatory properties, that can regulate T-helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune cells. Among its target cells are CD4 T-helper cells which can differentiate in type 1 effector cells (TH1), type 2 effector cells (TH2) and IL17 producing helper T-cells (TH17). It drives rapid clonal expansion of naive but not memory CD4 T-cells. It also strongly synergizes with IL-12 to trigger interferon-gamma/IFN- gamma production of naive CD4 T-cells, binds to the cytokine receptor WSX-1/TCCR. Another important role of IL-27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines.

**Cellular Location**  
Secreted.

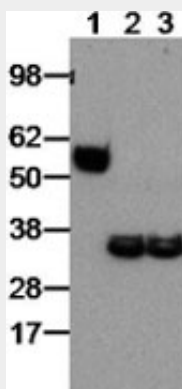
**Volume**  
50 µl

### EBI3 Antibody (clone DNT27) - Protocols

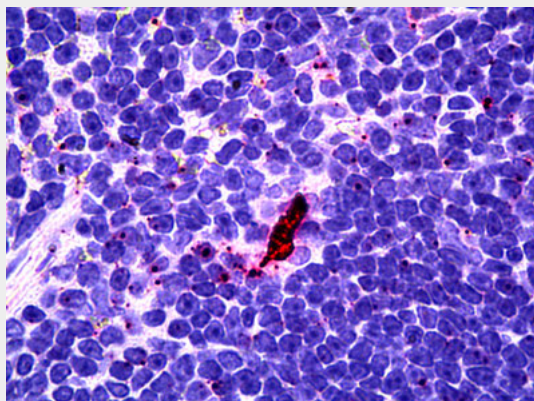
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### EBI3 Antibody (clone DNT27) - Images



Recombinant mouse EBI3/p28 (covalently linked IL-27) protein (lane 1) and mouse bone...



Anti-EBI3 antibody IHC of human lymphoid-dendritic cells.

### EBI3 Antibody (clone DNT27) - Background

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#### **EBI3 Antibody (clone DNT27) - References**

Devergne O.,et al.J. Virol. 70:1143-1153(1996).  
Livingston R.J.,et al.Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.  
Grimwood J.,et al.Nature 428:529-535(2004).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Devergne O.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:12041-12046(1997).