

## **EBI3 Antibody (monoclonal) (M01)**

**Mouse monoclonal antibody raised against a partial recombinant EBI3. (Please notice that this antibody**

**Catalog # AT1847a**

### **Specification**

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#### **EBI3 Antibody (monoclonal) (M01) - Product Information**

Application	<b>E</b>
Primary Accession	<a href="#">O14213</a>
Other Accession	<a href="#">NM_005755</a>
Reactivity	<b>Human</b>
Host	<b>mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2a Kappa</b>
Calculated MW	<b>25396</b>

#### **EBI3 Antibody (monoclonal) (M01) - 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

#### **Target/Specificity**

EBI3 (NP\_005746, 129 a.a. ~ 229 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

#### **Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

#### **Precautions**

EBI3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

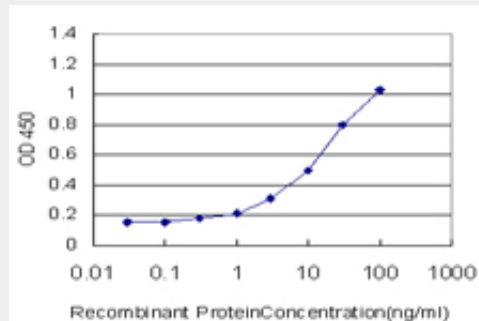
#### **EBI3 Antibody (monoclonal) (M01) - Protocols**

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 (monoclonal) (M01) - Images**



Detection limit for recombinant GST tagged EBI3 is approximately 0.3ng/ml as a capture antibody.

### **EBI3 Antibody (monoclonal) (M01) - Background**

This gene was identified by its induced expression in B lymphocytes in response Epstein-Barr virus infection. It encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form interleukin 27 (IL-27). IL-27 regulates T cell and inflammatory responses, in part by activating the Jak/STAT pathway of CD4+ T cells.

### **EBI3 Antibody (monoclonal) (M01) - References**

Epstein-barr virus-induced gene-3 is expressed in human atheroma plaques. Kempe S, et al. Am J Pathol, 2009 Jul. PMID 19556516. IL27: its roles in the induction and inhibition of inflammation. Carl JW, et al. Int J Clin Exp Pathol, 2008 Jan 1. PMID 18784808. Genome-wide analysis displays marked induction of EBI3/IL-27B in IL-18-activated AML-derived KG1 cells: critical role of two kappaB binding sites in the human EBI3 promotor. Poleganov MA, et al. Mol Immunol, 2008 May. PMID 18336908. Enhanced expression of IL-27 mRNA in human newborns. Krumbiegel D, et al. Pediatr Allergy Immunol, 2008 Sep. PMID 18167155. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.