EBI3 / Epstein-Barr virus induced 3 Antibody

Mouse Monoclonal Antibody [Clone EBI3/8904]

Catalog No	Format	Size
10148-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10148-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10148-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

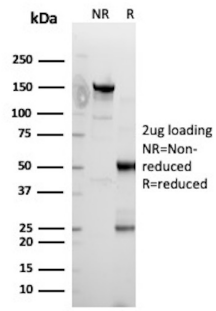
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

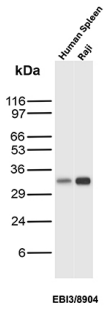
Clone	EBI3/8904
Gene Name	EBI3
Immunogen	Recombinant fragment (around aa 366-466) of human EBI3 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	34kDa
Cellular Localization	Secreted.
Species Reactivity	Human
Positive Control	Human placenta. Spleen, Raji.

**Optimal dilution for a specific application should be determined.*

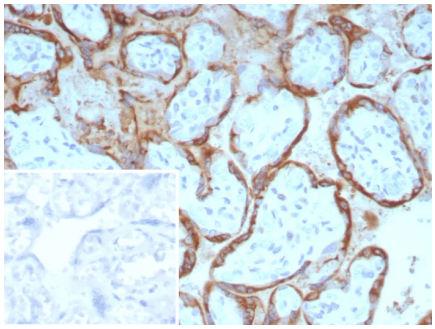
Product Images for EBI3 / Epstein-Barr virus induced 3 Antibody



SDS-PAGE Analysis of Purified Interleukin-27 subunit beta Mouse Monoclonal Antibody (EBI3/8904). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human spleen and Raji lysates using EBI3 Mouse Monoclonal Antibody (EBI3/8904).



Formalin-fixed, paraffin-embedded human placenta stained with Epstein-Barr virus induced 3 Mouse Monoclonal Antibody (EBI3/8904). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Epstein-Barr virus-induced gene 3 (Ebi3) is a widely expressed homolog to the interleukin IL-12 p40 subunit protein that forms a heterodimer with either IL-12 p35 or an IL-12 p35 homolog, p28, to create a new cytokine (IL-27). IL-27 is an early product of activated antigen-presenting cells and drives rapid clonal expansion of naive but not memory CD4+ T cells. Interferon-b differentially regulates expression of the IL-12 family members p35, p40, p19 and Ebi3 in activated human dendritic cells. Ebi3 may function to antagonize IL-12 and to inhibit the development of a Th1 immune response. Ebi3 is strongly expressed in Hodgkin and Reed-Sternberg cells, independently of the EBV status of the tumor cells. Research suggests that Ebi3 may be an additional component of the repertoire employed by Hodgkin and Reed-Sternberg cells to inhibit an effective anti-tumor or anti-viral immune response. The human Ebi3 gene maps to chromosome 19p13.3 and encodes a secreted glycoprotein that is expressed in spleen and tonsils, and at high levels in full-term placenta.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cytokine Signaling, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.