

# Product Datasheet

## EBI3 Antibody (15k8D10) - BSA Free NBP2-27362

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-27362**

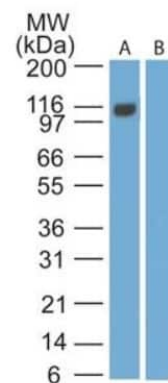
EBI3 Antibody (15k8D10) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	15k8D10
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse EBI3 Antibody (15k8D10) - BSA Free (NBP2-27362) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-EBI3 Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	10148
<b>Gene Symbol</b>	EBI3
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	The human Interleukin-35 protein is a dimeric protein consisting of the human IL-12a/p35 subunit (NP_000873.2) and the human EBI3 (NP_005746) protein. Clone 15K8D10 tests as being specific to the EBI3 subunit of the target protein.
<b>Immunogen</b>	A full-length human Interleukin-35-Fc fusion protein was used as immunogen for this antibody.
<b>Endotoxin Note</b>	< 0.06 EU/ug
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Tissue Culture Substratum
<b>Recommended Dilutions</b>	Western Blot 3-5ug/ml~, Immunohistochemistry reported in scientific literature (PMID 27681506), Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 31601798), Immunohistochemistry-Paraffin 5ug/ml, Tissue Culture Substratum

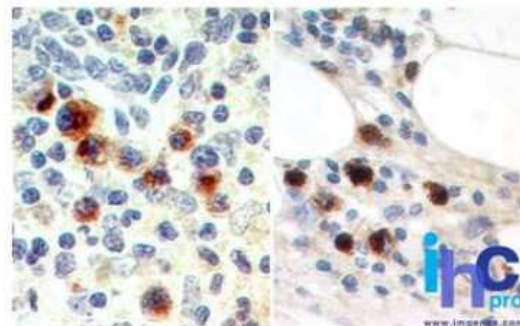


## Images

Western Blot: EBI3 Antibody (15k8D10) [NBP2-27362] - Analysis of IL-35-Fc protein (A) and human Fc (B) using IL-35 antibody at 4ug/ml.



Immunohistochemistry-Paraffin: EBI3 Antibody (15k8D10) [NBP2-27362] - Formalin-fixed, paraffin-embedded human spleen (left) and lymph node metastatic malignant melanoma (right) stained with IL-35 antibody (5 ug/ml) using peroxidase-conjugate and DAB chromogen.



## Publications

Ito T, Tanaka T, Nakamaru K et al. Interleukin-35 promotes the differentiation of regulatory T cells and suppresses Th2 response in IgG4-related type 1 autoimmune pancreatitis. *J. Gastroenterol.* 2020-05-06 [PMID: 32377945]

Liu J, Hao S, Chen X et al. Human placental trophoblast cells contribute to maternal-fetal tolerance through expressing IL-35 and mediating iTR35 conversion. *Nat Commun.* 2019-10-10 [PMID: 31601798] (ICC/IF, Human)

Larousserie F, Kebe D, Huynh T et al. Evidence for IL-35 Expression in Diffuse Large B-Cell Lymphoma and Impact on the Patient's Prognosis *Front Oncol* 2019-06-28 [PMID: 31316915] (IHC-P, Human)

Javvadi LR, Parachuru VPB, Milne TJ et al. Expression of IL33 and IL35 in oral lichen planus. *Arch. Dermatol. Res.* 2018-04-09 [PMID: 29633015] (IHC-P)

Ma Y, Chen L, Xie G et al. Elevated level of interleukin-35 in colorectal cancer induces conversion of T cells into iTr35 by activating STAT1/STAT3. *Oncotarget.* 2016-11-08 [PMID: 27682874] (IF/IHC, Human)

Long J, Guo H, Cui S et al. IL-35 expression in hepatocellular carcinoma cells is associated with tumor progression *Oncotarget.* 2016-07-19 [PMID: 27329841] (IF/IHC, Human)

Horlad H, Ma C, Yano H et al. An IL-27/Stat3 axis induces expression of programmed cell death 1 ligands (PD-L1/2) on infiltrating macrophages in lymphoma. *Cancer Sci.* 2016-11-01 [PMID: 27564404] (IF/IHC, Human)

Zhao Z, Chen X, Hao S et al. Increased interleukin-35 expression in tumor-infiltrating lymphocytes correlates with poor prognosis in patients with breast cancer *Cytokine* 2016-09-24 [PMID: 27681506] (IF/IHC, Human)

Fu YP, Yi Y, Cai XY et al. Overexpression of interleukin-35 associates with hepatocellular carcinoma aggressiveness and recurrence after curative resection. *Br. J. Cancer.* 2016-03-29 [PMID: 27002937] (IHC-P, Human)

Wang Z, Liu JQ, Liu Z et al. Tumor-derived IL-35 promotes tumor growth by enhancing myeloid cell accumulation and angiogenesis. *J Immunol.* 2013-03-01 [PMID: 23345334] (IHC-P, Human)

### Details:

IHC (P), Fig 1: human large B cell lymphoma, nasopharyngeal carcinoma, skin, melanoma, lymph node metastatic melanoma.

Mao H, Gao W, Ma C et al. Human placental trophoblasts express the immunosuppressive cytokine IL-35. *Hum Immunol.* 2013-07-01 [PMID: 23619469] (IHC-P, Human)

### Details:

IHC (P), Fig 1: first-trimester human placentae.





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### **Products Related to NBP2-27362**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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