



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-IL-20 [h15D2 (Fletikumab)] Standard Size Ab03711-10.0

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** h15D2 (Fletikumab)

**Alternative Name(s) of Target:** IL20; Interleukin-20; ZCYTO10; Cytokine Zcyto10; NN-8226; NNC-0109-0012

**UniProt Accession Number of Target Protein:** Q9NYY1

**Published Application(s):** inhibit, neutralize, therapeutic, WB, ELISA

**Published Species Reactivity:** Human, Cynomolgus Monkey, Mouse

**Immunogen:** The original antibody was generated by immunizing mice by injecting subcutaneously 20 µg of human IL-20 in FCA followed by two injections with 20 µg of hIL20 in FIA.

**Specificity:** This antibody binds a linear epitope comprising amino acids 'YQTPDHYTLRKISSLANSTFLTIK' of the human Interleukin-20. It also cross reacts with mouse and cynomolgus monkey IL-20. IL-20 is a pro-inflammatory and angiogenic cytokine mainly secreted by monocytes, granulocytes, dendritic cells and skin keratinocytes that plays crucial roles in immune responses, regulation of inflammatory responses, hemopoiesis, as well as epidermal cell and keratinocyte differentiation. IL-20 shows effects in several inflammatory diseases, such as rheumatoid arthritis, atherosclerosis, cancer, and liver fibrosis via regulating cytokines and chemokines. IL-20 acts on renal cells and contributes to inflammation, fibrosis, and apoptosis through its receptors IL-20R1, IL-20R2, and IL-22R1.

**Application Notes:** This antibody can bind recombinant human IL-20 in an ELISA. This antibody was capable of neutralizing human IL20, cynomolgus IL20 and mouse IL20 induced proliferation of BaF-3(hIL20R) cells. This antibody can detect both native and denatured form of human IL-20 in a western blot. The original IgG4 version of this antibody, expressed in HEK293 cells, reacts with recombinant human IL-20 with a binding affinity of  $K_d = 32$  pM (US8287861). It shows a very high potency in blocking IL-20 mediated activity on IL-20RA/IL-20RB and IL-22RA1/IL20R2 expressing cells with an  $IC_{50}$  value of 0.27 nM. It has a serum half-life of ~3 weeks in RA (Rheumatoid Arthritis) patients. Under the dose range from 0.05 to 3.0 mg/kg, Fletikumab was tolerable and non-toxic in patients with psoriasis. However, the clinical study was terminated because no apparent efficacy was observed. In the phase 2a trial, Fletikumab significantly reduced tender joint counts and swollen joint counts in seropositive RA patients (PMID: 30319661).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.