



20150720BB

Anti-Human CCL-19 (#11B4)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M262
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of CCL-19 (also called also known as MIP-3β).

Target Background

Synonyms (Target):	CCL19; ELC; CKb11; MIP3B; MIP-3b; SCYA19
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CCL19, also known as MIP3β and ELC (EBI1Ligand Chemokine), is a 77 amino acid (aa) β chemokine that is distantly related to other β chemokines (20-30% aa sequence identity). The gene for MIP3β has been mapped to chromosome 9p13 rather than chromosome 17 where the genes for many human β chemokines are clustered. MIP3β is constitutively expressed in various lymphoid tissues (including thymus, lymph nodes, appendix and spleen). The expression of MIP3β is downregulated by the antiinflammatory cytokine IL10. Recombinant MIP3β is chemotactic for cultured human lymphocytes. MIP3β is a ligand for CCR7 (previously referred to as the EpsteinBarr virus-induced gene 1 (EBI1) orphan receptor), a chemokine receptor that is expressed in various lymphoid tissues and activated B and T lymphocytes. CCR7 is strongly upregulated in B cells infected with EpsteinBarr virus and T cells infected with herpesvirus 6 or 7.

Database References Target

Protein RefSeq:	NP_006265
Uniprot ID:	Q99731
mRNA RefSeq:	NM_006274

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#11B4)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human CCL-19
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human CCL-19 protein.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, IHC (P)

Recommended usage:

Western Blot: 1:500 - 1:1000

IHC (Paraffin): Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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Application/Handling

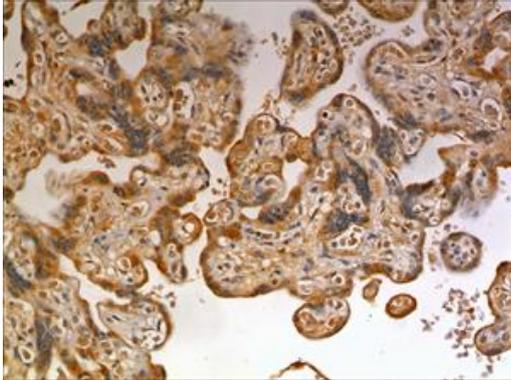


Fig. 1: A 10% Buffer formalin fixed and paraffin embedded human placental tissue section (4µm) is subjected to IHC staining using a mouse anti-human CCL-19 monoclonal antibody. Tissue section was pretreated in citric buffer (ph6.0) with microwave for antigen retrieval before IHC is applied.