



Anti-Interleukin 20 short form (IL-20s), Mouse-Monoclonal Antibody

Catalog No. GB-52020
Antigen species: Human
Type: IgG1

Quantity: 100 μ l
Reactivity: Human
Clone No.: 15

Applications: ELISA
Host species: Mouse
Form: Ascites

Target description

Cytokines that signal through Class II receptors form a distinct family that includes the interferons and interleukin 10 (IL-10). Recent identification of several IL-10 homologs has defined a cytokine subfamily that includes AK155, IL-19, IL-20, IL-22, and IL-24. IL-20 belongs to the IL-10 family and plays a role in skin inflammation and the development of hematopoietic cells. Little is known about its other biological functions and clinical implications. These cytokines display pro-inflammatory activities in different tissues, including skin. About the effects of cytokines of the IL-10 family on keratinocytes and their potential role in psoriasis, a cutaneous inflammatory disease.

Antigen

The monoclonal antibody was raised by immunizing mouse with a synthetic peptide located in interleukin -20 short form (IL-20s).

Application

The antibody specificity was assayed by ELISA with the synthetic peptide antigen of interleukin 20 short form (IL-20s) protein. However, for the first testing, we recommend 1/2,000 dilution for ELISA, 1/5,000 dilution for Western blot analysis (WB) of recombinant protein, 1/1,000 dilution for tissue extracts or cell lysates, 1/100 dilution for immunohistochemistry (IHC) staining on frozen cryosections, 1/50 dilution for IHC staining on paraffin embedded sections.

Related Products

1. Anti-Interleukin-1 beta, pAb (PY-10003)
2. Anti-Interleukin-8, pAb (PY-10004)
3. Anti-Interleukin-10, pAb (PY-10005)
4. Anti-Interleukin-16, pAb (PY-10006)
5. Anti-Interleukin-17, pAb (PY-10007)

Ab dilution	Pre-Bleed	Anti-Serum	Ascites
1:1,000	0.054	1.486	1.193
1:10,000	0.048	0.951	0.618
1:100,000	0.046	0.220	0.141
Titer		>100k	99K

ELISA Test :

Antigens are coated on EIA strips at 1 μ g per well. Anti-serum and ascites are diluted in series as the left and added in separate wells. Add substrate to develop color for 5 min. Read absorbance (ABS) at 650 nm. Antibody titer is defined as >0.1 of ABS of antiserum minus pre-bleed serum.

Storage

It is supplied as ascites of monoclonal antibody in lyophilized form. Redissolve the powder with 100 microliter sterile water will restore to the original condition. Store at 4°C for short term application. For long-term storage, aliquot and store at -20°C.

References

1. Parrish-Novak, J., Xu, W., Brender, T., Yao, L., Jones, C., West, J., Brandt, C., Jelinek, L., Madden, K., McKernan, P. A., Foster, D. C., Jaspers, S., Chandrasekhar, Y. A. Interleukins 19, 20, and 24 signal through two distinct receptor complexes. Differences in receptor-ligand interactions mediate unique biological functions. *J. Biol. Chem.* 277 (49), 47517-47523, 2002.
2. Boniface K., Lecron J. C., Bernard F. X., Dagregorio G., Guillet G., Nau F., Morel F. Keratinocytes as targets for interleukin-10-related cytokines: a putative role in the pathogenesis of psoriasis. *Eur Cytokine Netw.* 16(4):309-19, 2005.

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