Anti-Macrophage marker [5/9]

Catalogue number: 151057
Sub-type: Primary antibody
Images: https://res.cloudinary.com/ximbio/image/upload/c_fit/70969ef2-5ebf-4735-b66f-af5baa6bba6c.jpg

Contributor

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Images: https://res.cloudinary.com/ximbio/image/upload/c_fit/70969ef2-5ebf-4735-b66f-af5baa6bba6c.jpg

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Macrophage marker [5/9]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: Monoclonal antibody capable of detecting osteoclasts and macrophages.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: A cell suspension containing osteoclasts from osteoclastomas.
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls: This antibody was used to detect S100A8/S100A9 in neutrophil extracts (Hogg et al., 1989) This antibody was used to detect S100A8/S100A9 in Human monocyte and

neutrophil extracts (Edgeworth et al., 1991)
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Macrophage marker

Target alternate names:

Target background: Macrophages are comprised of many forms of mononuclear phagocytes found in tissues. Mononuclear phagocytes arise from hematopoietic stem cells in the bone marrow. Functions of macrophages include non-specific phagocytosis and pinocytosis, specific phagocytosis of opsonized microorganisms mediated by Fc receptors and complement receptors. They also assist with the killing of ingested microorganisms, digestion and presentation of antigens to T and B lymphocytes, and secretion of enzymes and regulatory molecules. Antibody 5/9 may be used as a macrophage cell marker. The antigen is present in osteoclasts and 5/9 may be useful for the identification of osteoclasts in tissues relevant to developmental pathobiology.

Molecular weight:

Ic50:

Applications

Application: IHC
Application notes:

Handling

Format: Liquid
Concentration: 1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Wen et al. 2018. Nat Med. 24(2):154-164. PMID: 29291352. ; Wang et al. 2014. J Clin Invest. 124(5):2160-71. PMID: 24691441. ; Ryckman et al. 2003. Arthritis Rheum. 48(8):2310-20. PMID: 12905486. ; Role of S100A8 and S100A9 in neutrophil recruitment in response to monosodium urate monohydrate crystals in the air-pouch model of acute gouty arthritis. ; Hessian et al. 2001. Eur J Biochem. 268(2):353-63. PMID: 11168370. ; Hessian et al. 2001. Eur J Biochem. 268(2):353-63. PMID: 11168370. ; The heterodimeric complex of MRP-8 (S100A8) and MRP-14 (S100A9). Antibody recognition, epitope definition and the implications for structure. ; Edgeworth et al. 1991. J Biol Chem. 266(12):7706-13. PMID: 2019594. ; Identification of p8,14 as a highly abundant heterodimeric calcium binding protein complex of myeloid cells. ; Hogg et al. 1989. Eur J Immunol. 19(6):1053-61. PMID: 2666142. ; Hogg et al. 1989. Eur J Immunol. 19(6):1053-61. PMID: 2666142. ; Monoclonal antibody 5.5 reacts with p8,14, a myeloid molecule associated with some vascular endothelium.