

Product datasheet

Mesenchymal Stromal Cell Marker (CD44, CD45, CD90 CD29, CD105) Antibody Panel - Human ab93758

[10 References](#) [2 Images](#)

Overview

Product name	Mesenchymal Stromal Cell Marker (CD44, CD45, CD90 CD29, CD105) Antibody Panel - Human
Product overview	<p>Mesenchymal Stromal Cell Marker (CD44, CD45, CD90 CD29, CD105) Antibody Panel ab93758 contains multiple trial-sized versions of clones against key human mesenchymal stromal cell markers, and includes a CD44 mouse monoclonal, CD45 rabbit polyclonal, CD90 mouse monoclonal, CD29 rabbit monoclonal and CD105 mouse monoclonal antibody.</p>

For guidelines on how to use each antibody within the panel, please consult the individual datasheet for each antibody.

Panel contains:

Anti-CD44 antibody [F10-44-2] ([ab6124](#))

Anti-CD45 antibody - Hematopoietic Stem Cell Marker ([ab10559](#))

Anti-CD90 / Thy1 antibody [AF-9] ([ab23894](#))

Anti-CD105 antibody [105C02] ([ab44967](#))

Recombinant Anti-Integrin beta 1 antibody [EP1041Y] ([ab52971](#))

The Human Multipotent Mesenchymal Stromal Cell Marker Antibody Panel is designed for the characterization of cultured or isolated human multipotent mesenchymal stromal cells. The panel contains a group of antibodies for the positive (CD105, CD29, CD44, CD90) and negative (CD45) selection of this lineage. Multipotent mesenchymal stromal cells (MSCs) represent a heterogeneous subset of stromal cells. They can be bone marrow-derived or isolated from many other different adult tissues including periosteum, trabecular bone, adipose tissue, and synovium. They exhibit the potential to give rise to cells of diverse lineages including adipocytes, chondrocytes and osteocytes.

Notes [Explore our range of antibody sample panels](#) designed to provide you with a variety of trial-size antibodies in a convenient and cost-effective format.

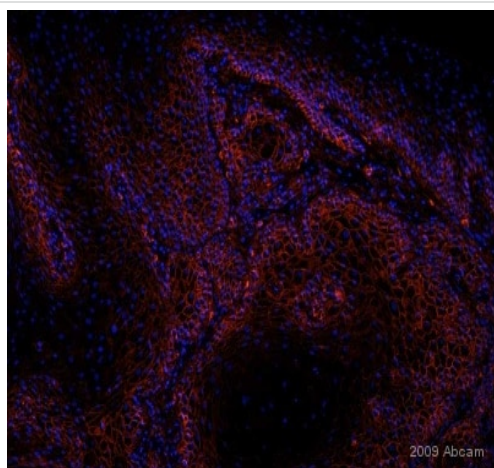
Properties

Storage instructions

Store at -20°C. Please refer to protocols.

Components	1 units
ab44967 - Anti-CD105 antibody [105C02]	1 x 50µl
ab6124 - Anti-CD44 antibody [F10-44-2]	1 x 50µg
ab10559 - Anti-CD45 antibody	1 x 50µg
ab23894 - Anti-CD90 / Thy1 antibody [AF-9]	1 x 50µg
ab134179 - Anti-Integrin beta 1 antibody [EPR1040Y]	1 x 10µl

Images



Ab6124 staining CD44 on Human Tissue sections (Skin tumor) by IHC-P. Sections were Formaldehyde fixed and subjected to heat mediated antigen retrieval in citric acid prior to blocking with 10% serum for 30 mins at 25°C. The primary antibody was diluted 1/100 in PBS and incubated with the sample overnight at 4°C. A TRITC non-Abcam secondary antibody was used.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Human Mesenchymal Stromal Cell Marker Panel (CD44, CD45, CD90 CD29 and CD105) (ab93758)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Mesenchymal Stromal Cell Marker (CD44, CD45, CD90 CD29, CD105) Antibody Panel - Human (ab93758)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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