

IRS1 (pSer312) Control Peptide

Alternate names:	Insulin Receptor Substrate 1, HIRS1, HIRS-1, IRS-1
Catalog No.:	SP6302CP
Quantity:	50 µg
Concentration:	0.1 mg/ml
Background:	CD143 exists in two forms, a 170kD somatic form and a 90kD germinal form. The somatic form is expressed by endothelial cells (especially those of arterioles and lung capillaries), epithelial cells (especially in proximal renal tubules and in the small intestine), by some neuronal cells and variably on some macrophages and T lymphocytes. The germinal form is expressed by spermatozoa.
Immunogen:	Human lung CD143 (Angiotensin converting enzyme). Spleen cells from immunised Balb/c mice were fused with cells of the mouse X36 - Ag8 - 653 myeloma cell line.
Format:	State: Liquid purified IgG Buffer System: Contains 0.09% Sodium Azide and 1.0% Bovine Serum Albumin Label: Biotin
Applications:	Flow cytometry: neat - 1/10; use 10 µl of the suggested working dilution to label 10e6 cells in 100µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises CD143, also known as angiotensin - converting enzyme (ACE). This antibody recognises active ACE binding to an N-terminal domain epitope different to that recognised by clone 9B9 (SM1658). Species: Human, Monkey. Others not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Danilov, S. M. et al. (1994) Structure-function analysis of angiotensin I-converting enzyme using monoclonal antibodies. Selective inhibition of amino-terminal active site. J. Biol. Chem. 269: 26806 - 26814. 2. Metzger, R. et al. (2000) CD143 in the development of atherosclerosis. Atherosclerosis 150: 21 - 31.

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Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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