

Monoclonal Antibody to CD43 / Leukosialin - Supernatant

Alternate names:	CD43, GALGP, Galactoglycoprotein, Leukocyte sialoglycoprotein, Leukosialin, SPN, Sialophorin
Catalog No.:	SM466
Quantity:	2 ml
Background:	<p>CD43 is one of the major glycoproteins of thymocytes and T lymphocytes, it plays a role in the physicochemical properties of the T cell surface and in lectin binding. CD43 presents carbohydrate ligands to selectins. It has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. The antigen is a counter receptor for SN/Siglec1. During T cell activation CD43 is actively removed from the T cell antigen presenting cell contact site suggesting a negative regulatory role in adaptive immune response.</p> <p>CD43 is expressed by the majority of leucocytes, with the exception of most B cells. However CD43 expression is seen in some cases of B cell lymphocytic lymphoma and centrocytic lymphoma.</p>
Host / Isotype:	Mouse / IgG1
Clone:	CO.44B8
Immunogen:	Sheep leucocytes. Spleen cells from immunised mice were fused the cells of the SP2-0/Ag14 mouse myeloma cell line.
Format:	State: Liquid Tissue Culture Supernatant Buffer System: Containing 0.09% Sodium Azide
Applications:	Leucocyte Aggregation. Functional Assays: 1 : 50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises ruminant CD43, a 105kD cell surface antigen expressed by leucocytes. Species: Sheep, Bovine. Other species 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 Readings:	1. Brodersen R, Bijlsma F, Gori K, Jensen KT, Chen W, Dominguez J, et al. Analysis of the immunological cross reactivities of 213 well characterized monoclonal antibodies with specificities against various leucocyte surface antigens of human and 11 animal species. Vet Immunol Immunopathol. 1998 Jun 30;64(1):1-13. PubMed PMID: 9656427.