

Product Datasheet

CD43 Antibody (orb606476)

Catalog Number	orb606476
Category	Antibodies
Description	It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV]. Epitope of mAb Bra7G is clearly different from that of mAb rSPN/839, called 'b' as opposed to 'a' for rSPN/839. 70-90% of T-cell lymphomas and from 22-37% of B-cell lymphomas express CD43. No reactivity has been observed with reactive B-cells. So a B-lineage population that co-expresses CD43 is highly likely to be a malignant lymphoma, especially a low-grade lymphoma, rather than a reactive B-cell population. When CD43 antibody is used in combination with anti-CD20, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co-staining of a lymphoid infiltrate with anti-CD20 and anti-CD43 argues against a reactive process and favors a diagnosis of lymphoma.
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	Recombinant human protein was used as the immunogen for the recombinant CD43 antibody.
UniProt ID	P16150
Tested applications	FACS, IF, IHC-P, WB
Dilution range	Flow cytometry: 1-2ug/million cells, Western blot: 1-2ug/ml, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

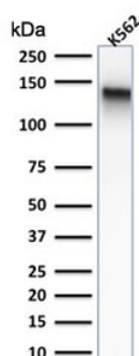
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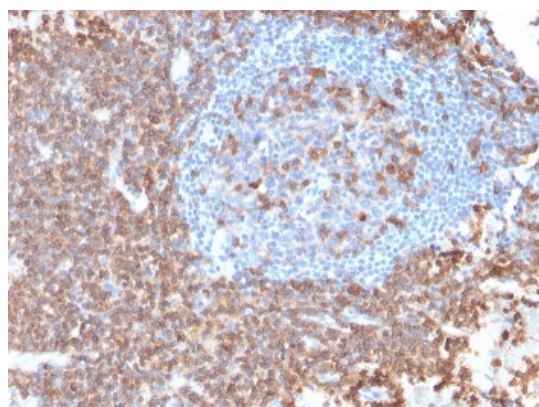
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Application notes	Optimal dilution of the recombinant CD43 antibody should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	rSPN/839
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Western blot testing of human K562 cell lysate with recombinant CD43 antibody (clone rSPN/839). Expected molecular weight: 45-135 kDa depending on glycosylation level.



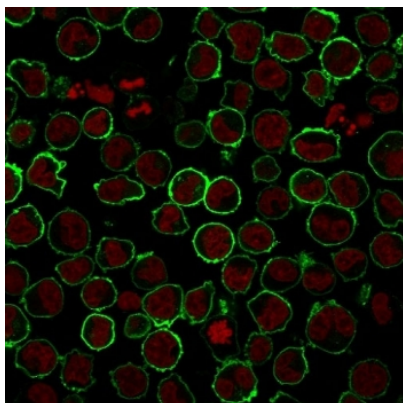
IHC testing of FFPE human lymph node with recombinant CD43 antibody (clone rSPN/839). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

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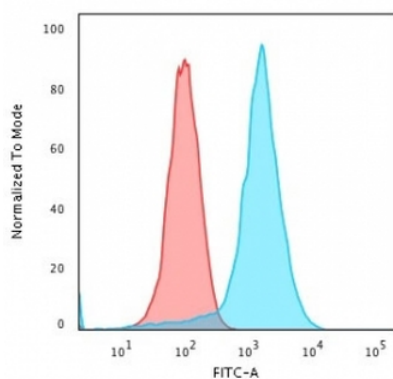
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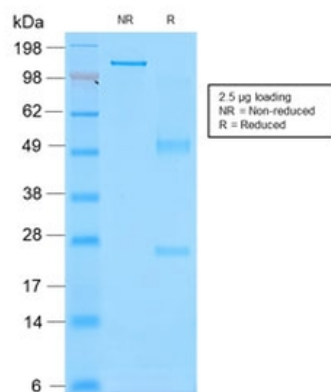
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Immunofluorescence staining of human K562 cells with recombinant CD43 antibody (green, clone rSPN/839) and Reddot nuclear stain (red).



Flow cytometry testing of human K562 cells with recombinant CD43 antibody (clone rSPN/839); Red = isotype control, Blue = CD43 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant CD43 antibody (clone rSPN/839) as confirmation of integrity and purity.

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