

Product Datasheet

CD43 Antibody (orb606474)

Catalog Number	orb606474
Category	Antibodies
Description	It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43. 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	Rabbit
Isotype	Rabbit IgG, 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	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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

SPN/2049R

Formula

0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

Storage

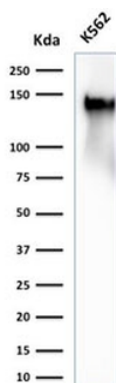
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

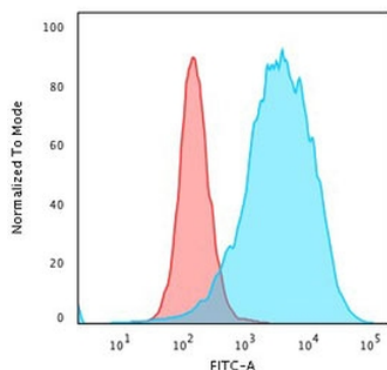
For research use only

Expiration Date

12 months from date of receipt.



Western blot testing of human K562 cell lysate with recombinant CD43 antibody (clone SPN/2049R). Expected molecular weight 45-135 kDa depending on glycosylation level.



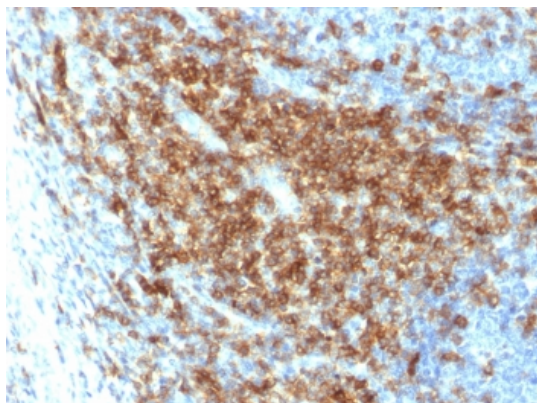
FACS staining of PFA-fixed human K562 cells with recombinant CD43 antibody (clone SPN/2049R). Red = isotype control, Blue = recombinant CD43 antibody.

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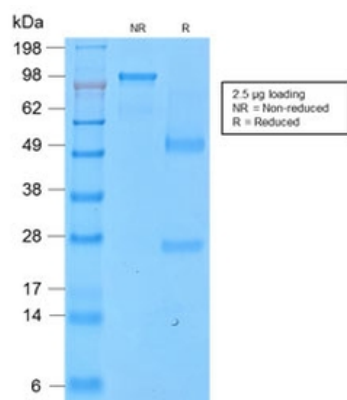
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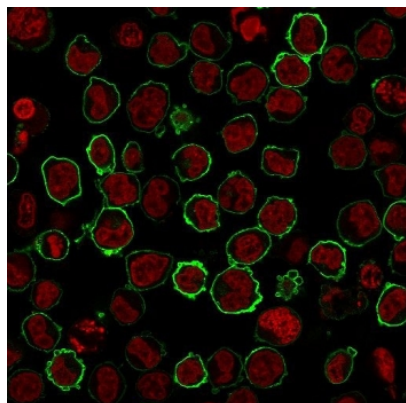
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IHC testing of FFPE human tonsil with recombinant CD43 antibody (clone SPN/2049R). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant CD43 antibody (clone SPN/2049R) as confirmation of integrity and purity.



Immunofluorescence staining of human K562 cells with recombinant CD43 antibody (green, clone SPN/2049R) and NucSpot (red).

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