

## Product Datasheet

# Recombinant CD43 Antibody / Rabbit Monoclonal (orb386213)

<b>Catalog Number</b>	orb386213
<b>Category</b>	Antibodies
<b>Description</b>	<p>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.</p>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Recombinant human protein was used as the immunogen for the recombinant CD43 antibody.
<b>UniProt ID</b>	<b>P16150</b>

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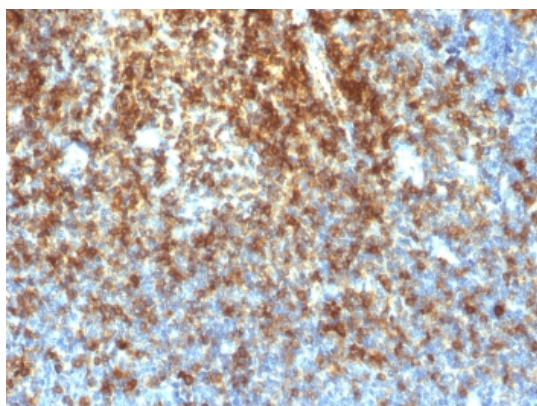
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<b>Tested applications</b>	FACS, IF, IHC-P, WB
<b>Dilution range</b>	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/10 <sup>6</sup> cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
<b>Application notes</b>	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.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	SPN/1766R
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC testing of FFPE human tonsil with recombinant CD43 antibody (clone SPN/1766R). 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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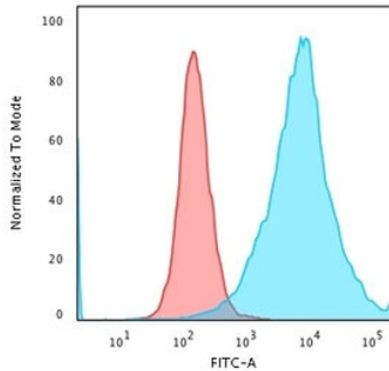
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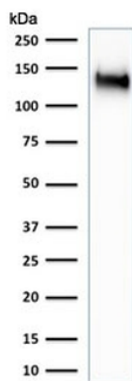
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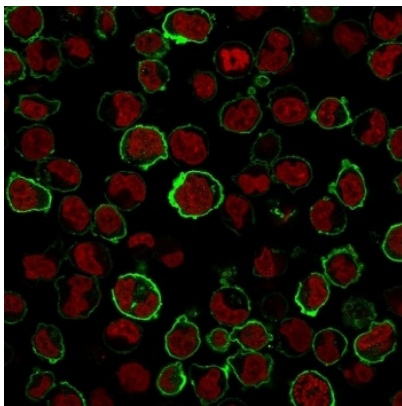
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Flow cytometry testing of PFA-fixed human K562 cells with CD43 antibody (clone SPN/1766R); Red = isotype control, Blue = CD43 antibody.



Western blot testing of human K562 cell lysate with CD43 antibody (clone SPN/1766R). Expected molecular weight: 45-135 kDa depending on glycosylation level.



Immunofluorescence staining of human K562 cells with CD43 antibody (green, clone SPN/1766R) and NucSpot (red).

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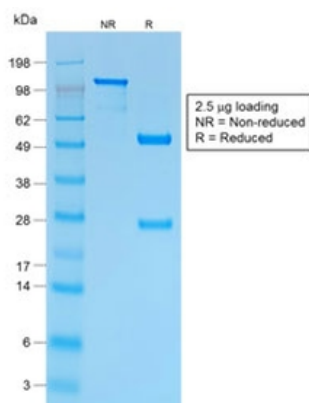
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SDS-PAGE analysis of purified, BSA-free recombinant CD43 antibody (clone SPN/1766R) as confirmation of integrity and purity.

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