

Dendritic Cell Marker DCIR2 Monoclonal Antibody (33D1), eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2b, kappa
Class	Monoclonal
Type	Antibody
Clone	33D1
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467676

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	3 Publications
Functional Assay (FN)	Assay-Dependent	-

Product Specific Information

Description: The 33D1 monoclonal antibody reacts with a mouse dendritic cell (DC)-specific surface marker, DCIR2. The nature and biological activity of DCIR2 is unknown. DCIR2 has been reported on a variety of dendritic cell subpopulations from mouse thymus, spleen, lymph node, and Peyer's patch. Bone marrow dendritic cells require GM-CSF to express DCIR2, and this expression is downregulated in the presence of IL-4. DCIR2 has been detected in vivo in brain dendritic cells post infection with *Toxoplasma gondii*.

Applications Reported: This 33D1 antibody has been reported for use in flow cytometric analysis, immunohistology staining of frozen tissue sections, and immunohistochemical staining. It has also been reported in complement-mediated cytotoxicity.

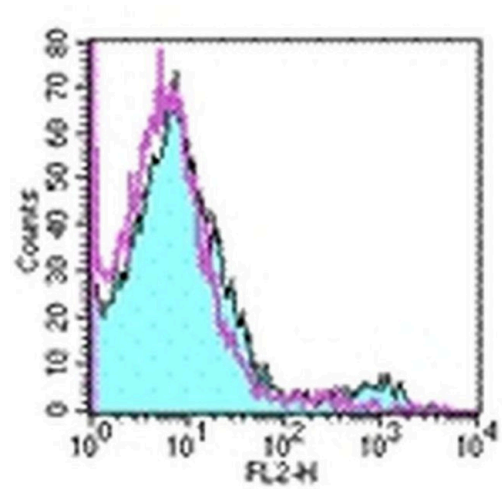
Applications Tested: The 33D1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. For detection of purified 33D1 it is recommended not to use goat anti-rat due to its low affinity for 33D1. Rather, we recommend using biotin mouse anti-rat (Product # 13-4813-85).

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Dendritic Cell Marker DCIR2 Monoclonal Antibody (33D1), eBioscience™



Dendritic Cell Marker DCIR2 Antibody (14-5884-82) in Flow
Staining of BALB/c splenocytes with 0.25 µg of Rat IgG2b K Isotype Control Purified (Product # 14-4031-82) (open histogram) or 0.25 µg of Anti-Mouse Dendritic Cell Marker DCIR2 Purified (filled histogram) followed by Anti-Rat IgG Biotin (Product # 13-4813-85) and Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

Immunohistochemistry (1)

<p>Arteriosclerosis, thrombosis, and vascular biology</p> <p>Protective role for Toll-like receptor-9 in the development of atherosclerosis in apolipoprotein E-deficient mice.</p> <p>"14-5884 was used in Immunohistochemistry to investigate whether TLR9 has a role in the development of atherosclerosis in apolipoprotein E-deficient mice."</p> <p>Authors: Koulis C,Chen YC,Hausding C,Ahrens I,Kyaw TS,Tay C,Allen T,Jandeleit-Dahm K,Sweet MJ,Akira S,Bobik A, Peter K,Agrotis A</p>	<p>Year 2014</p> <p>Species Mouse</p> <p>Dilution 1:50</p>
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Immunohistochemistry (Paraffin) (3)

<p>Translational oncology</p> <p>Colon Macrophages Polarized by Commensal Bacteria Cause Colitis and Cancer through the Bystander Effect.</p> <p>"14-5884 was used in Immunohistochemistry on paraffin embedded tissues to investigate whether colon macrophages are key effectors for the bystander effect."</p> <p>Authors: Yang Y,Wang X,Huycke T,Moore DR,Lightfoot SA,Huycke MM</p>	<p>Year 2013</p> <p>Species Mouse</p>
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<p>BMC immunology</p> <p>Effect of the administration of a fermented milk containing Lactobacillus casei DN-114001 on intestinal microbiota and gut associated immune cells of nursing mice and after weaning until immune maturity.</p> <p>"14-5884 was used in Immunohistochemistry on paraffin embedded tissues to evaluate the effect of the administration of a probiotic fermented milk on the intestinal bacterial population and on parameters of the gut immune system."</p> <p>Authors: de Moreno de LeBlanc A,Dogi CA,Galdeano CM,Carmuega E,Weill R,Perdigón G</p>	<p>Year 2008</p> <p>Species Mouse</p>
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[View more IHC \(P\) references on thermofisher.cn](#)

Immunohistochemistry (Frozen) (1)

<p>Science (New York, N.Y.)</p> <p>Differential antigen processing by dendritic cell subsets in vivo.</p> <p>Authors: Dudziak D,Kamphorst AO,Heidkamp GF,Buchholz VR,Trumpfheller C,Yamazaki S,Cheong C,Liu K,Lee HW, Park CG,Steinman RM,Nussenzweig MC</p>	<p>Year 2007</p>
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More applications with references on thermofisher.cn

- ICC/IF (1)
- Flow (3)

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