

Datasheet: MCA6124

BATCH NUMBER 174452

Description:	MOUSE ANTI HUMAN CD164
Specificity:	CD164
Other names:	Endolyn
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	67D2
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunoprecipitation	▪			
Western Blotting	▪			
Immunocytochemistry	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen

Breast tumor cell line T-47D

External Database Links

UniProt:

[Q04900](#)

[Related reagents](#)

Entrez Gene:

[8763](#)

CD164

[Related reagents](#)

Specificity

Mouse anti Human CD164 clone 67D2, recognizes CD164, also known as endolyn, a 160 kDa transmembrane homodimer protein. It is composed of an extracellular region and two O-glycosylated mucin domains (I and II). These two domains are linked by a non-mucin cysteine rich subdomain.

CD164 is a member of the sialmucin family and is expressed by CD34+ hematopoietic progenitor cells, activated basophils, erythroid cells as well as various cancerous cells. A key role of CD164 is its involvement in regulating adhesion, migration and proliferation of hematopoietic progenitor cells ([Zannettino et al. 1998](#)).

Elevated expression of CD164 has been observed in patients with Sezary syndrome which is a primary cutaneous T-cell lymphoma and as such, has been suggested as a potential marker of this disease ([Guenova et al. 2016](#)).

This clone CD67D2 recognizes the class II epitope which is not sensitive to sialidase, N-glycanase and O-sialglycoprotease of CD164. This clones has been used in flow cytometry to examine CD164 upregulation in CD203c+ activated basophils ([Hennersdorf et al. 2005](#)).

Purity

>95% by SDS PAGE

Storage

This product is shipped at ambient temperature.
Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6124>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)

[RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M441160:250523'

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