

# Anti-CD64 antibody [3D3] ab140779

[4 Images](#)

## Overview

<b>Product name</b>	Anti-CD64 antibody [3D3]
<b>Description</b>	Mouse monoclonal [3D3] to CD64
<b>Tested applications</b>	WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to amino acids 1-374 of Human CD64 produced in HEK293T cell (NP_000557). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	HEK293T cells transfected with pCMV6-ENTRY CD64 cDNA, Human ovary adenocarcinoma tissue, Human lymphoma tissue, COS7 cells transiently transfected by pCMV6-ENTRY CD64
<b>General notes</b>	Dilute in PBS (pH 7.3) prior to use.

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	ab140779 is purified from mouse ascites fluids by affinity chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3D3
<b>Isotype</b>	IgG1

## Applications

Our [Abpromise guarantee](#) covers the use of **ab140779** in the following tested applications.

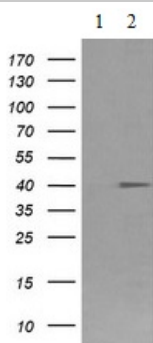
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		1/4000. Predicted molecular weight: 43 kDa.
<b>IHC-P</b>		1/150.
<b>ICC/IF</b>		1/100.

## Target

<b>Relevance</b>	The high affinity receptor for immunoglobulin G CD64 is encoded by a family of 3 genes that share over 98% of DNA sequence homology: FCGR1A, FCGR1B and FCGR1C. The FCGR1C gene, like FCGR1A, is located on 1q21. The third gene of this family, FCGR1B, was found at 1p12. CD64 plays a pivotal role in the immune response. It is a glycoprotein (MW 72 kD) that is constitutively expressed on human monocytes and macrophages.
<b>Cellular localization</b>	Cell membrane; Single-pass type I membrane protein.

## Anti-CD64 antibody [3D3] images



Western blot - Anti-CD64 antibody [3D3] (ab140779)

**All lanes** : Anti-CD64 antibody [3D3] (ab140779) at 1/4000 dilution

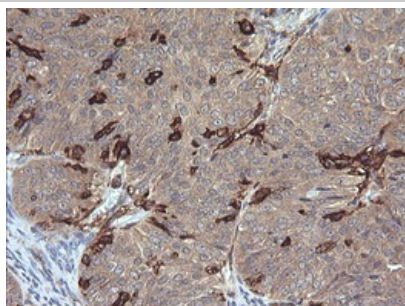
**Lane 1** : HEK293T cells transfected with pCMM6-ENTRY control cDNA

**Lane 2** : HEK293T cells transfected with pCMM6-ENTRY CD64 cDNA

Lysates/proteins at 5 µg per lane.

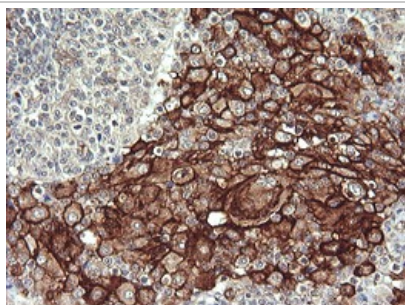
**Predicted band size** : 43 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC210076)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD64 antibody [3D3] (ab140779)

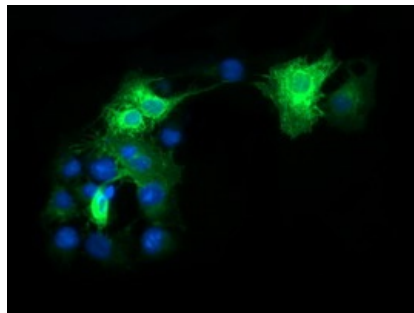
Immunohistochemical analysis of paraffin embedded Human ovary adenocarcinoma tissue labelling CD64 with ab140779 at a 1/150 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD64 antibody [3D3] (ab140779)

Immunohistochemical analysis of paraffin embedded Human lymphoma tissue labelling CD64 with ab140779 at a 1/150 dilution.

## Product Datasheet



Immunocytochemistry/ Immunofluorescence - Anti-CD64 antibody [3D3] (ab140779)

Immunofluorescent staining of COS7 cells transiently transfected by pCMM6-ENTRY CD64 using ab140779 at a 1/100 dilution.

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