

Anti-CSF-1-R antibody [EPR20754] - BSA and Azide free ab231074

Recombinant RabMAb

5 Images

Overview

Product name	Anti-CSF-1-R antibody [EPR20754] - BSA and Azide free
Description	Rabbit monoclonal [EPR20754] to CSF-1-R - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human lung cancer tissue. IP: Human tonsil tissue lysate.
General notes	<p>ab231074 is the carrier-free version of ab229188.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20754
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab231074 in the following tested applications.

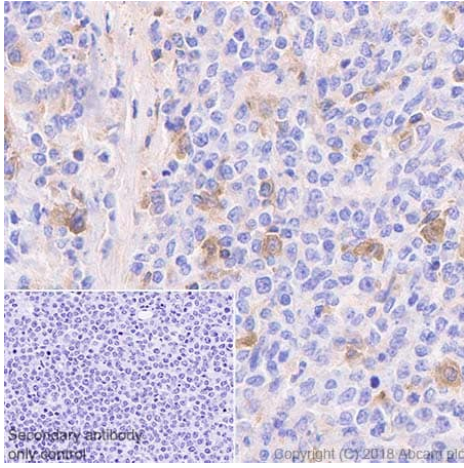
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 108 kDa (predicted molecular weight: 108 kDa).

Target

Function	Protein tyrosine-kinase transmembrane receptor for CSF1 and IL34.
Tissue specificity	Expressed in bone marrow and in differentiated blood mononuclear cells.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily. Contains 5 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.
Cellular localization	Membrane.

Images



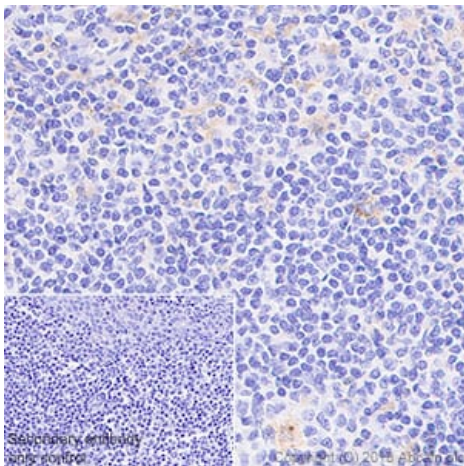
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody [EPR20754] - BSA and Azide free (ab231074)

Immunohistochemical analysis of paraffin-embedded human non-Hodgkin lymphoma tissue labeling CSF-1-R with **ab229188** at 1/250 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use. Cytoplasmic and membranous staining of human non-Hodgkin lymphoma cells is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab229188**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



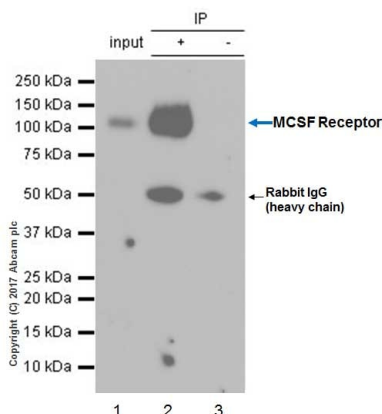
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody [EPR20754] - BSA and Azide free (ab231074)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling CSF-1-R with **ab229188** at 1/250 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use. Cytoplasmic staining in macrophages of human tonsil (PMID: 26066800) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab229188**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-CSF-1-R antibody
[EPR20754] - BSA and Azide free (ab231074)

CSF-1-R was immunoprecipitated from 0.35 mg of human tonsil tissue lysate with **ab229188** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab229188** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

Lane 1: Human tonsil lysate 10 µg (Input).

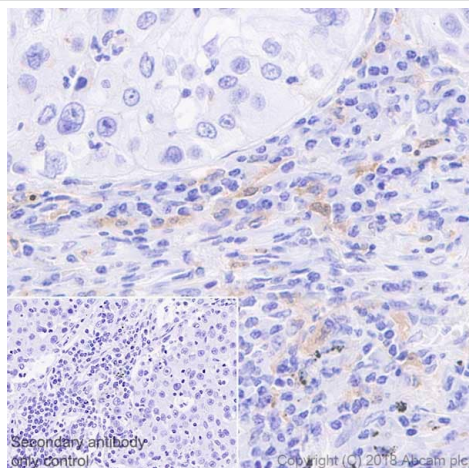
Lane 2: **ab229188** IP in human tonsil lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab229188** in human tonsil lysate.

Blocking and dilution buffer and concentration: 5%
NFDm/TBST.

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab229188**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSF-1-R antibody
[EPR20754] - BSA and Azide free (ab231074)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue labeling CSF-1-R with **ab229188** at 1/250 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use. Cytoplasmic staining in macrophages infiltrating human lung cancer. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) Ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab229188**).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CSF-1-R antibody [EPR20754] - BSA and Azide free (ab231074)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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