abcam

ab106101

Anti-Red Blood Cells antibody [34-3C]

Key facts

Isotype	IgG2a
Host species	Mouse
Storage buffer	Constituents: PBS, 0.1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Cell preparation containing Red Blood Cells protein. The exact immunogen used to generate this antibody is proprietary information.
Clone number	34-3C
Purification technique	Affinity purification Protein G
Specificity	Recognizes an exposed surface determinant of intact Red Blood Cells. ab106101 only recognises antigenic determinants expressed on Mouse RBC and not on other species of RBC.
Concentration	0.1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	0.2 µm filtered solution

Reactivity data

Flow Cyt

Expected

Species	Mouse

Dilution info	-
Notes	ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Not recommended

Species	Rat
Dilution info	-
Notes	ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Species	Chicken
Dilution info	-
Notes	ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Species	Human
Dilution info	-
Notes	ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Species	Sheep
Dilution info	-
Notes	ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Species	Rabbit
Dilution info	-
Notes	ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

FuncS

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Rat, Chicken, Human, Sheep, Rabbit
Dilution info	-
Notes	-

Target data

See full target information Red Blood Cells

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

This antibody efficiently binds to Fc receptors on macrophages inducing anemia in vivo due to a rapid Fc receptor (FcyR)-mediated erythrophagocytosis of opsonised RBC in spleen and livers. The capacity of the antibody to interact with FcyR is responsible for its haemolytic activity.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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