

Product datasheet for **TA385676**

Adgre1 Rat Monoclonal Antibody [Clone ID: Cl:A3-1 (recombinant version)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Cl:A3-1 (recombinant version)
Applications:	FC, IHC
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Immunogen:	Thioglycollate stimulated peritoneal macrophages of mouse origin.
Specificity:	This antibody recognises the mouse F4/80 antigen, a 160kD glycoprotein, expressed by murine macrophages.

The anti-F4/80 antibody, clone Cl:A3-1, has been very widely used in flow cytometry, microscopy and Western blotting since its generation by Austyn and Gordon in 1980. We are the only supplier of recombinant versions of Cl:A3-1 which, whilst having the same variable domains as the original, has been shown to block hybridoma derived anti-F4/80:APC binding to *in vitro* generated bone marrow-derived (BMDMs) and *ex vivo* splenic murine macrophages. This was tested using both the recombinant version of the original isotype (rat IgG2b) as well as a murinised version (IgG2a, Ab00106-2.0). Further testing on BMDMs shows that our Fc Silent™ rat IgG2b is a valuable new reagent which shows distinct labelling of F4/80-positive cell populations, whilst the isotype control shows no binding, suggesting that only the antigen binding domains are involved in binding, promoting precision of labelling. The murinised versions will be valuable tools in the study of the role of the murine macrophage *in vivo* without the artefacts rat-derived antigen being co-administered may harbour. Particularly the murine IgG2a (Ab00106-2.0) should be an excellent candidate for macrophage depletion studies, with the Fc Silent™ (Ab00106-2.3) version being the ideal negative control. Using our recombinant production platform, any species and isotype are possible and our Support Team (support@absoluteantibody.com) will be glad to help you with finding the right variant to match your experimental needs.

Formulation: PBS with 0.02% Proclin 300.

Concentration: lot specific



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Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	adhesion G protein-coupled receptor E1
Database Link:	Entrez Gene 13733 Mouse Q61549