

Product Datasheet

MS4A4A antibody (orb758866)

Description

Mouse monoclonal antibody to MS4A4A

Species/Host

Mouse

Reactivity

Human

Conjugation

Unconjugated

Tested

FC, IP

Applications

Immunogen

This antibody was generated by immunizing C57BL/6 mice against mouse cell line 300-19 expressing transfected human membrane-spanning 4-domains subfamily A member 4A (MS4A4A)-GFP.

Target

MS4A4A

Preservatives

PBS with 0.02% Proclin 300.

Concentration

1 mg/ml

Storage

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Note

For research use only

Application notes

5C12 is recommended for the detection and analysis of expression of MS4A4A. Importantly, MS4A4A has been shown to be a marker for M2 macrophages and plasma cells and to be overexpressed in multiple myelomas, suggesting a potential role in targeting alternatively activated macrophages such as tumor-associated macrophages, and in the treatment of multiple myeloma and mantle cell lymphoma (Sanyal et al., 2017; pmid: 28303902). The antibody 5C12 can be successfully used for the detection of MS4A4A-expressing cells via flow cytometry (Sanyal et al., 2017; pmid: 28303902). Finally, specificity of this antibody was additionally confirmed via immunoprecipitation of lysates of BJAB MS4A4A-HA cells (Sanyal et al., 2017; pmid: 28303902).

Isotype

IgG1

Clonality

Monoclonal

Purity

Purified

Uniprot ID

[Q96JQ5](#)

Expiration Date

12 months from date of receipt.