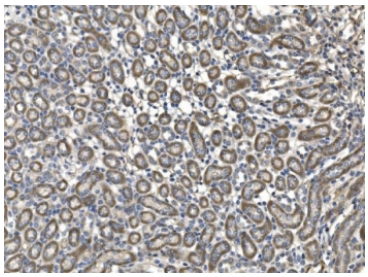
Milk fat globule 1 Antibody / Mfg-e8 / Lactadherin (RQ6427)

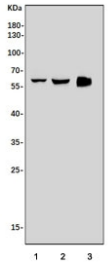
Catalog No.	Formulation	Size
RQ6427	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

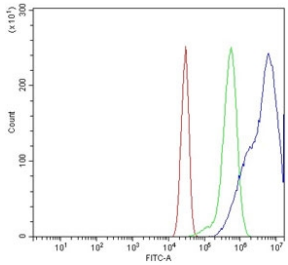
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P21956
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Milk fat globule 1 antibody is available for research use only.



IHC staining of FFPE mouse kidney tissue with Milk fat globule 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat kidney, 2) rat liver and 3) mouse NIH 3T3 cell lysate with Milk fat globule 1 antibody. Expected molecular weight: 30-66 kDa depending glycosylation level.



Flow cytometry testing of mouse HEPA1-6 cells with Milk fat globule 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Milk fat globule 1 antibody.

Description

MFGE8 (Milk Fat Globule-Egf Factor 8), also called as Lactadherin or SED1, is a protein which in humans is encoded by the MFGE8 gene. Mfge8 is secreted protein found in vertebrates, including mammals as well as birds. By fluorescence in situ hybridization, Collins et al.(1997) mapped the MFGE8 gene to chromosome 15q25. Hanayama et al.(2002) found that MFGE8 is a factor that links apoptotic cells to phagocytes. MFGE8 specifically bound to apoptotic cells by recognizing aminophospholipids such as phosphatidylserine. MFGE8, when engaged by phospholipids, bound to cells via its RGD motif. It bound particularly strongly to cells expressing alpha-V-beta-3 integrin. Bu et al.(2007) showed that Mfge8 was expressed in intestinal lamina propria macrophages in mice. Using a wound-healing assay, they showed that Mfge8 promoted migration of intestinal epithelial cells through a PKC-epsilon(PRKCE)-dependent mechanism.

Application Notes

Optimal dilution of the Milk fat globule 1 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids A23-C463) was used as the immunogen for the Milk fat globule 1 antibody.

Storage

After reconstitution, the Milk fat globule 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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