

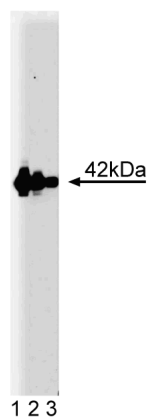
Technical Data Sheet

Purified Mouse Anti-Flotillin-2**Product Information**

Material Number:	610384
Alternate Name:	ESA
Size:	150 µg
Concentration:	250 µg/ml
Clone:	29/Flotillin-2
Immunogen:	Human ESA aa. 122-379
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Dog, Rat, Mouse, Chicken
Target MW:	42 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

Flotillin-2/ESA (epidermal surface antigen) plays a role in intercellular epidermal adhesion. Epidermal surface proteins have an important role in normal epidermal maintenance and function. In addition, they are involved in various autoimmune diseases in which auto-antibodies bind to normal epidermal cell surface proteins. This binding causes cell disadherence that leads to blister formation. Such antibodies have been utilized to identify new proteins involved in epidermal cell adhesion. One of these antibodies, ECS-1, was used to isolate Flotillin-2/ESA. The single copy ESA gene is located on the long arm of human chromosome 17, in the region containing the gene for neurofibromatosis 1 (NF1). ESA mRNA is expressed in cultured keratinocytes, melanocytes, fibroblasts, and carcinoma and melanoma cell lines. Flotillin-2/ESA may play a critical role in epidermal structure and maintenance.



Western blot analysis of Flotillin-2 on human endothelial cell lysate. Lane 1: 1:5000, lane 2: 1:10000, lane 3: 1:20000 dilution of anti-Flotillin-2.



Immunofluorescent staining of WI38 cells.

Preparation and Storage

Store undiluted at -20°C.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Application Notes**Application**

Western blot	Routinely Tested
Immunoprecipitation	Tested During Development
Immunofluorescence	Tested During Development
Immunohistochemistry	Not Recommended

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Recommended Assay Procedure:

Western blot: Please refer to http://www.bdbiosciences.com/support/resources/cell_biology/index.jsp

Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
611450	Human Endothelial Cell Lysate	500 µg	(none)
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.

References

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