BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Milk Fat Globule (Breast Epithelial Marker) Monoclonal Antibody

Catalog Number: M02518

About MFGE8

Recognizes a protein of 40-45kDa, identified as human milk fat globule membrane protein (HMFG). HMFG is present on normal human breast epithelial cells and cell lines derived from breast carcinomas, as well as to the outer surface of the human milk fat globule. HMFG is considered as a differentiation marker. It is useful as specific breast epithelial marker and can also provide a tool to study the role of the cell surface in normal and neoplastic mammary development.

Overview

Product Name	Anti-Milk Fat Globule (Breast Epithelial Marker) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Milk Fat Globule (Breast Epithelial Marker) Monoclonal Antibody (Catalog # M02518). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: EDM45
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	Q08431

Technical Details

Immunogen	Delipidated human milk fat globule membrane preparation
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.

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Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

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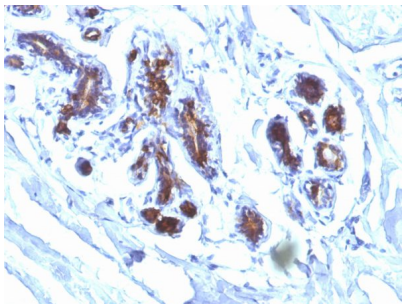
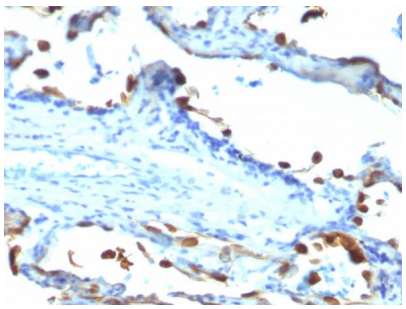
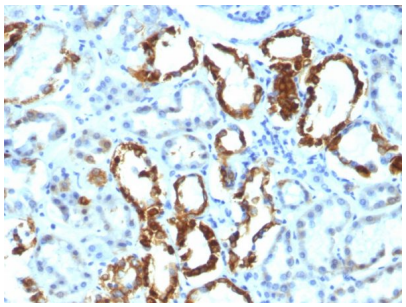
Anti-Milk Fat Globule (Breast Epithelial Marker) Monoclonal Antibody (M02518) Images



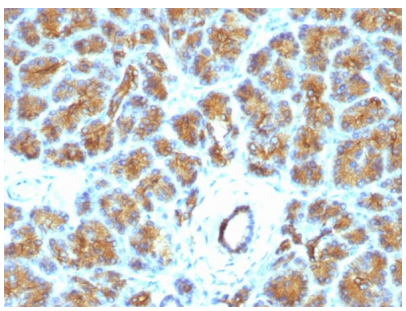
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Anti-Milk Fat Globule Monoclonal Antibody (EDM45)



Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with Anti-Milk Fat Globule Monoclonal Antibody (EDM45)



Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Anti-Milk Fat Globule Monoclonal Antibody (EDM45)



Formalin-fixed, paraffin-embedded human Pancreas stained with Anti-Milk Fat Globule Monoclonal Antibody (EDM45)

1 Publications Citing This Product

1. PubMed ID: 26582774, Innate Immune Factors in Mothers' Breast Milk and Their Lack of Association With Rotavirus Vaccine Immunogenicity in Nicaraguan Infants.

Visit bosterbio.com/anti-milk-fat-globule-breast-epithelial-marker-antibody-m02518-boster.html to see all 1 publications.

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