

Ornithine Decarboxylase-1 (ODC-1) Antibody

Mouse Monoclonal Antibody [Clone ODC1/485]

Catalog No	Format	Size
4953-MSM1-CF488-100T	Purified Ab conjugated to CF488	100 μl

Applications

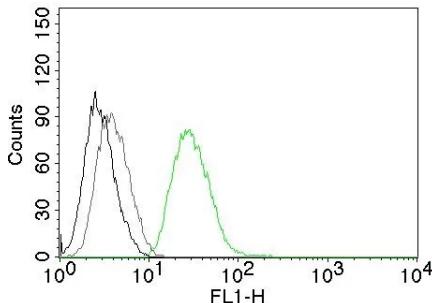
	Tested Dilution
Flow Cytometry (Flow)	1-2μg/million cells
Immunofluorescence (IF)	1-3μg/ml

Product Details

Clone	ODC1/485
Gene Name	ODC1
Immunogen	Recombinant human ODC-1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	53kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Epithelial cells in normal placenta or prostate carcinoma.

*Optimal dilution for a specific application should be determined.

Product Images for Ornithine Decarboxylase-1 (ODC-1) Antibody



Flow Cytometry of human ODC1 on PC3 cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled ODC1 Monoclonal Antibody (ODC1/485).

Specificity & Comments

Recognizes a 53kDa protein, identified as the Ornithine Decarboxylase (ODC-1). ODC is the initial and rate-limiting enzyme in the biosynthetic pathway of polyamines and is involved in the conversion of ornithine to putrescine. The biological activity of ODC-1 is rapidly induced in response to virtually all agents known to promote cell proliferation including hormones, drugs, growth factors, mitogens, and tumor promoters. Reportedly, ODC mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. ODC activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.

Supplied As

Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.

Storage and Stability

Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Known Applications & Suggested Dilutions

Flow Cytometry (5μl per test per one million cells or 5μl per 100μl of whole blood); Immunofluorescence (1:50-1:100); Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
