



Product Information Sheet

Monoclonal Anti-Smad4 (DPC4) (Sephacrose Bead Conjugate)

Catalogue No. MA1089-S

Immunogen

Recombinant human Smad4 (DPC4).

Lot No. 08A12

Purification

Clone: IMD-89

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200µl

Storage

Store at 4°C for frequent use.

Specificity

Human.

No cross reactivity with other proteins.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacrose beads. It is useful for immunoprecipitation assays

Recommended application

Immunoprecipitation(IP)

BACKGROUND

SMAD4 plays a pivotal role in signal transduction of the transforming growth factor beta superfamily cytokines by mediating transcriptional activation of target genes. Smad4 signalling in T cells is required for suppression of gastrointestinal cancer. Mutational inactivation of SMAD4 causes TGF-beta unresponsiveness and gave a basis for understanding the physiologic role of this gene in tumorigenesis. Mutations in DPC4 (SMAD4) cause juvenile polyposis syndrome, but only account for a minority of cases.

REFERENCE

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