Monoclonal Antibody MsMab-1
Against Mutated IDH1 and IDH2

**Antigen Used for Immunization**
Synthetic peptides of CGGVKPIIIGGHAYGDQYRA.

**Method of Immunization**
BDF1 mice were immunized by injecting 80 μg of synthetic peptides of CGGVKPIIIGGHAYGDQYRA conjugated with KLH together with Freund’s complete adjuvant into footpad.

**Parental Cell Line Used for Fusion**
Mouse myeloma Sp2/0.

**Selection and Cloning Procedure**
The culture supernatants were screened using ELISA for binding to IDH1-R132G and IDH1 wild-type peptides conjugated with BSA.

**Heavy and Light Chains of Immunoglobulin**
IgG2a, kappa.

**Specificity**
Western blot analysis showed that MsMab-1 reacted with the IDH1-R132G, IDH1-R132S, IDH1-R132H, IDH2-R172S, IDH2-R172G, and IDH2-R172M recombinant proteins, but not with IDH1/2-WTs.

**Specific Antigen Identified**
IDH1-R132G.

**Availability**
- Tissue culture supernatant: Yes ✓ No
- Ascitic fluid: Yes ✓ No
- Hybridoma cells: Yes ✓ No

**Reference**

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