

**AM10230PU-N****Monoclonal Antibody to TWIST1 - Purified**

<b>Alternate names:</b>	BHLHA38, Class A basic helix-loop-helix protein 38, TWIST, Twist-related protein 1
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1 mg/ml
<b>Background:</b>	Basic helix-loop-helix (bHLH) transcription factors have been implicated in cell lineage determination and differentiation. TWIST1 is a bHLH transcription factor and shares similarity with another bHLH transcription factor, Dermo1. The strongest expression of this mRNA is in placental tissue, in adults, mesodermally derived tissues express this mRNA preferentially. Mutations in this gene have been found in patients with Saethre-Chotzen syndrome.
<b>Uniprot ID:</b>	<a href="#">Q15672</a>
<b>NCBI:</b>	<a href="#">NP_000465.1</a>
<b>GeneID:</b>	<a href="#">7291</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	3E10
<b>Immunogen:</b>	Synthetic peptide derived from N-term domain of Human Twist-1 protein
<b>Format:</b>	<b>State:</b> Lyophilized powder <b>Purification:</b> Protein A Chromatography <b>Buffer System:</b> 0.1M Tris, 0.1M Glycine and 2% Sucrose <b>Preservatives:</b> None <b>Reconstitution:</b> Restore with 0.1 ml distilled water to receive a concentration of 1 mg/ml.
<b>Applications:</b>	<b>ELISA.</b> <b>Western Blot:</b> 1/1000-1/5000. <b>Immunohistochemistry:</b> 1/100-1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Reacts with Human 21 kDa TWIST1 protein. Cross reacts with Mouse, Rat and other species. It does <u>not</u> cross reacts with Twist-2.
<b>Species Reactivity:</b>	<b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Mouse, Rat.
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.