

## Product datasheet for **AM10230PU-N**

### Twist (TWIST1) Mouse Monoclonal Antibody [Clone ID: 3E10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3E10
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/1000-1/5000. <b>Immunohistochemistry:</b> 1/100-1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide derived from N-term domain of Human Twist-1 protein
Specificity:	Reacts with Human 21 kDa TWIST1 protein. Cross reacts with Mouse, Rat and other species. It does not cross reacts with Twist-2.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore with 0.1 ml distilled water to receive a concentration of 1 mg/ml.
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Gene Name:	twist family bHLH transcription factor 1



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**Database Link:** [Entrez Gene 7291 Human Q15672](#)

**Background:** 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.

**Synonyms:** Twist-related protein 1, TWIST, BHLHA38