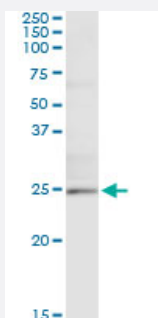


TWIST1 monoclonal antibody (M13), clone 2G12

Catalog # H00007291-M13

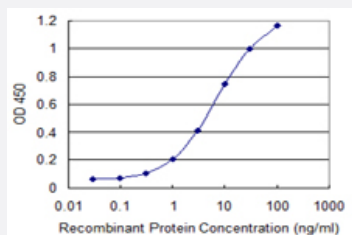
Size 100 ug

Applications



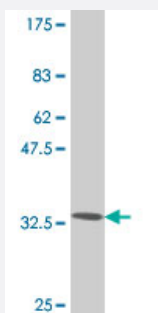
Immunoprecipitation

Immunoprecipitation of TWIST1 transfected lysate using anti-TWIST1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TWIST1 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TWIST1 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (33.22 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant TWIST1.

Immunogen	TWIST1 (NP_000465.1, 106 a.a. ~ 174 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LQTQRVMANVRERQRTQSLNEAFAALRKIIPTLP SDKLSKIQTCLKLAARYIDFLYQVLQSDELD SKM AS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.22 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of TWIST1 transfected lysate using anti-TWIST1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TWIST1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TWIST1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TWIST1

Entrez GeneID

[7291](#)

GeneBank Accession#	NM_000474
Protein Accession#	NP_000465.1
Gene Name	TWIST1
Gene Alias	ACS3, BPES2, BPES3, SCS, TWIST, bHLHa38
Gene Description	twist homolog 1 (Drosophila)
Omim ID	101400 601622
Gene Ontology	Hyperlink
Gene Summary	Basic helix-loop-helix (bHLH) transcription factors have been implicated in cell lineage determination and differentiation. The protein encoded by this gene is a bHLH transcription factor and share s 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. [provided by RefSeq]
Other Designations	B-HLH DNA binding protein H-twist TWIST homolog of drosophila twist

Publication Reference

- [Deregulation of TWIST-1 in the CD34+ compartment represents a novel prognostic factor in chronic myeloid leukemia.](#)

Cosset E, Hamdan G, Jeanpierre S, Voeltzel T, Sagorny K, Hayette S, Mahon FX, Dumontet C, Puisieux A, Nicolini FE, Maguer-Satta V.

Blood 2011 Feb; 117(5):1673.

Application: WB, Human, HEL, KCL22, Lama-84 cells

Disease

- [Breast cancer](#)
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- [Chromosome Aberrations](#)
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