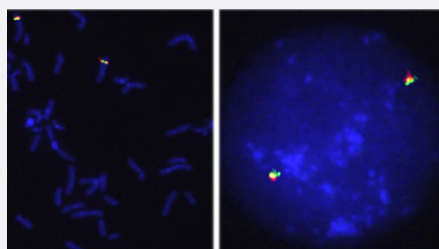


MYB Split FISH Probe

Catalog # FS0016 Size 200 uL, 100 uL

Applications



Hybridization position of the probes on the chromosome:

Hybridization position of the probes on the chromosome:

□

Specification

Product Description	Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. (Technology).
Probe 1	Name: MYB(Texas Red) Size: Approximately 500kb Fluorophore: Texas Red Location: 6q22-23
Probe 2	Name: MYB(FITC) Size: Approximately 780kb Fluorophore: FITC Location: 6q22-23
Probe Gap	The length of overlap between two probes is approximately 20 kb.

Origin	Human
Source	Genomic DNA
Reactivity	Human
Form	Liquid
Notice	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Quality Control Testing	Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The left image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Product	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	Hybridization position of the probes on the chromosome: Hybridization position of the probes on the chromosome:

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

Gene Info — MYB

Entrez GeneID	4602
Gene Name	MYB
Gene Alias	Cmyb, c-myb, c-myb_CDS, efg
Gene Description	v-myb myeloblastosis viral oncogene homolog (avian)
Omim ID	189990
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a transcription factor that is a member of the MYB family of transcription factor genes. The protein contains three domains, an N-terminal DNA-binding domain, a central transcriptional activation domain and a C-terminal domain involved in transcriptional repression. This protein plays an essential role in the regulation of hematopoiesis and may play a role in tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

Avian myeloblastosis viral (v-myb) oncogene homolog|OTTHUMP00000017258|c-myb protein (140 AA)|c-myb10A_CDS|c-myb13A_CDS|c-myb14A_CDS|c-myb8B_CDS|v-myb avian myeloblastosis viral oncogene homolog|v-myb myeloblastosis viral oncogene homolog

Publication Reference

- [Nuclear immunoreactivity of BLM-s, a pro-apoptotic BCL-2 family member, is specifically detected in salivary adenoid cystic carcinoma.](#)

Tsai MS, Hsieh MS, Huang HY, Huang PH.

Human Pathology 2018 Sep; [Epub].

Application: Func, Human, Human salivary adenoid cystic carcinoma

- [Strong SOX10 expression in HPV-related multiphenotypic sinonasal carcinoma: report of six new cases validated by high-risk HPV mRNA in situ hybridization test.](#)

Hsieh MS, Lee YH, Jin YT, Huang WC.

Human Pathology 2018 Jul; [Epub].

Application: FISH-P, Human, HPV-related multiphenotypic sinonasal carcinoma

- [Adenoid Cystic Carcinoma of the Lacrimal Gland: MYB Gene Activation, Genomic Imbalances, and Clinical Characteristics.](#)

von Holstein SL, Fehr A, Persson M, Therkildsen MH, Prause JU, Heegaard S, Stenman G.

Ophthalmology 2013 Oct; 120(10):2130.

Application: FISH, Human, Adenoid cystic carcinoma

Disease

- [alpha-Thalassemia](#)
- [Anemia](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [beta-Thalassemia](#)

- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graft Occlusion](#)
- [Hypertension](#)
- [Myocardial Infarction](#)
- [Nasal Polyps](#)
- [Obesity](#)
- [Pain](#)
- [Thalassemia](#)