




## Product datasheet

### Anti-MUC5B antibody [6F10-E4] $\alpha$ b105460

#### 5 References

#### Overview

<b>Product name</b>	Anti-MUC5B antibody [6F10-E4]
<b>Description</b>	Mouse monoclonal [6F10-E4] to MUC5B
<b>Host species</b>	Mouse
<b>Specificity</b>	Non glycosylated domain of mucin MUC5B.
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human MUC5B conjugated to keyhole limpet haemocyanin. Synthetic peptide from 4 of the cysteine domains of the tandem repeat region.  <b>Run BLAST with</b>  <b>Run BLAST with</b> 

#### General notes

Detection of respiratory and salivary mucins in clinical and experimental material.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
<b>Purity</b>	Protein A purified
<b>Primary antibody notes</b>	Detection of respiratory and salivary mucins in clinical and experimental material.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	6F10-E4

<b>Myeloma</b>	Sp2
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab105460 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>ELISA</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 596 kDa. PubMed: 14678646 Please consult PubMed ID 14678646 for the recommended electrophoresis conditions.

## Target

<b>Function</b>	Gel-forming mucin that is thought to contribute to the lubricating and viscoelastic properties of whole saliva and cervical mucus.
<b>Tissue specificity</b>	Expressed on surface airway epithelia. Expressed mainly in mucous cells of submucosal glands of airway tissues. Highly expressed in the sublingual gland. Also found in submaxillary glands, endocervix, gall bladder, and pancreas.
<b>Sequence similarities</b>	Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 3 HAT repeats. Contains 3 TIL (trypsin inhibitory-like) domains. Contains 3 VWFC domains. Contains 4 VWFD domains.
<b>Domain</b>	The cysteine residues in the Cys-rich subdomain repeats are not involved in disulfide bonding.
<b>Post-translational modifications</b>	Highly glycosylated. C-, N- and O-glycosylated. C-mannosylated in the Cys-rich subdomains probably on the first Trp residue of the WXXW motif. Highly O-glycosylated in the Ser/Thr-rich tandem repeat (TR) region. The repeat region is about 59% O-glycosylated with a high abundance of NeuAc(2)Hex(1)HexNac1-ol.
<b>Cellular localization</b>	Secreted.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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