

ARG23079 anti-Thrombomodulin antibody [QBEND/40]

Package: 100 µl

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [QBEND/40] recognizes Thrombomodulin Mouse anti Human CD141 antibody, clone QBEND/40 recognizes human CD141, also known as thrombomodulin. Mouse anti Human CD141 antibody, clone QBEND/40 all human endothelium tested, but does not inhibit thrombomodulin dependent activation of protein C.
Tested Reactivity	Hu, Rb
Tested Application	FACS, IHC-Fr, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	QBEND/40
Isotype	IgG2a
Target Name	Thrombomodulin
Species	Human
Immunogen	Human endothelium derived thrombomodulin.
Conjugation	Un-conjugated
Alternate Names	THRM; CD antigen CD141; THPH12; TM; Thrombomodulin; CD141; BDCA3; Fetomodulin; AHUS6

Application Instructions

Application table	Application	Dilution
	FACS	Neat
	IHC-Fr	1:10 - 1:100
	IHC-P	1:10 - 1:50
Application Note	IHC-P: Antigen Retrieval: Boil tissue section in Sodium citrate buffer (pH 6.0). FACS: Use 10 µl of the suggested working dilution to label 10 ⁶ cells in 100 µl. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Tissue Culture Supernatant.
Buffer	Tissue Culture Supernatant, 0.2M Tris/HCl (pH 7.4), 5-10% foetal calf serum and 0.01% Sodium azide
Preservative	0.01% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

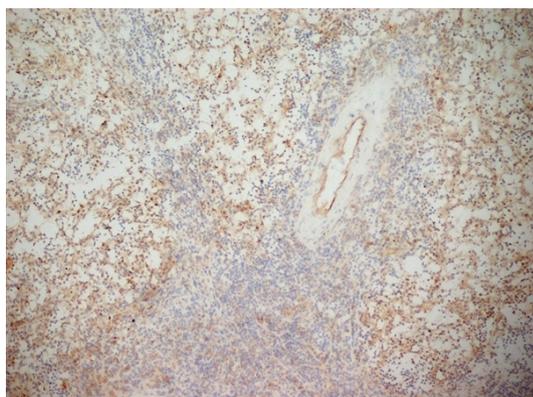
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

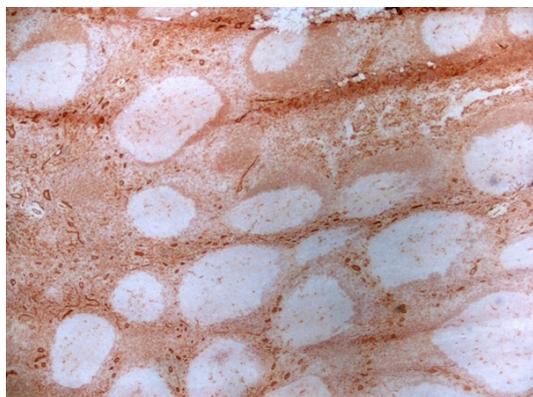
Gene Symbol	THBD
Gene Full Name	thrombomodulin
Background	The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia. [provided by RefSeq, Jul 2008]
Function	Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Once evolved, protein Ca scissions the activated cofactors of the coagulation mechanism, factor Va and factor VIIIa, and thereby reduces the amount of thrombin generated. [UniProt]
Calculated Mw	60 kDa
PTM	N-glycosylated. The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.

Images



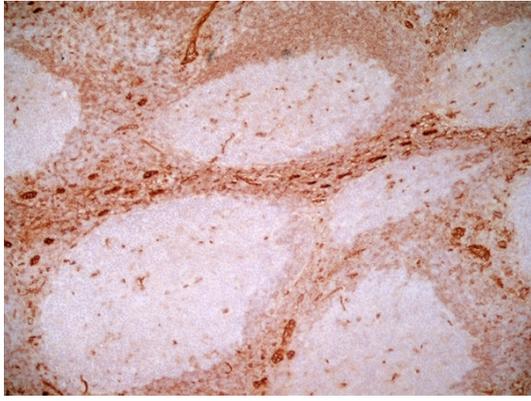
ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-Fr image

Immunohistochemistry: Human spleen cryosection stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40]. (Low power).



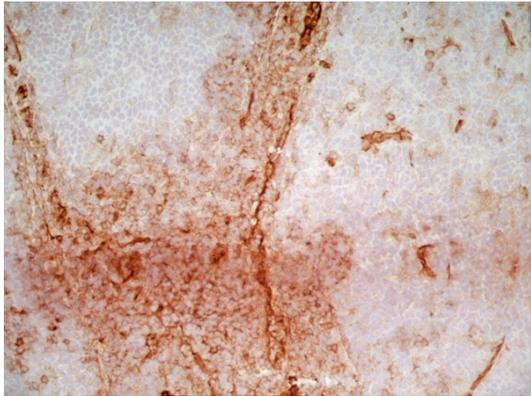
ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-Fr image

Immunohistochemistry: Human Tonsil cryosection stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40]. (Low power).



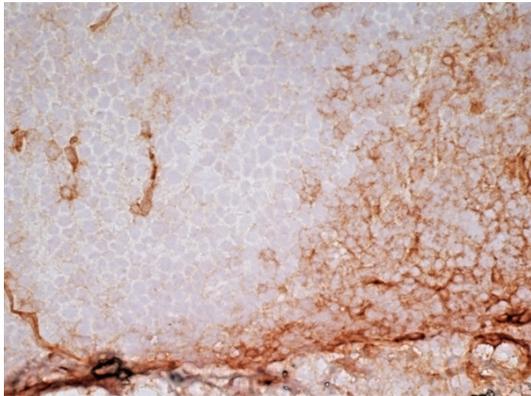
ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-Fr image

Immunohistochemistry: Human Tonsil cryosection stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40]. (Medium power).



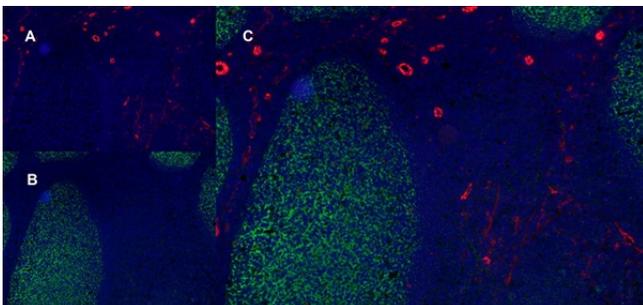
ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-Fr image

Immunohistochemistry: Human Tonsil cryosection stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40]. (High power).



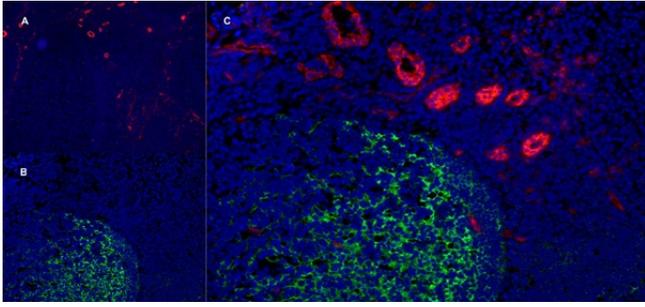
ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-Fr image

Immunohistochemistry: Human Tonsil cryosection stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40]. (High power).



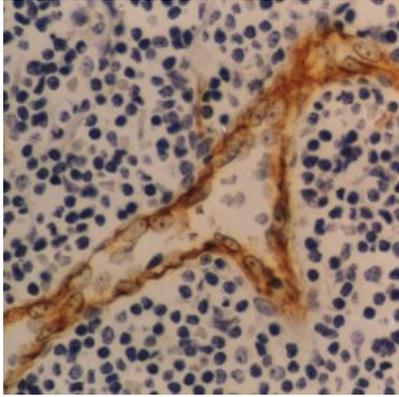
ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-Fr image

Immunohistochemistry: Human tonsil cryosection stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40], red in A and Mouse anti Human CD21, green in B. C is the merged image with nuclei counterstained blue using DAPI. (Low power).



ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-Fr image

Immunohistochemistry: Human tonsil cryosection stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40], red in A and Mouse anti Human CD21, green in B. C is the merged image with nuclei counterstained blue using DAPI. (High power).



ARG23079 anti-Thrombomodulin antibody [QBEND/40] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lymph node stained with ARG23079 anti-Thrombomodulin antibody [QBEND/40].
