

Product datasheet for **TA320424**

Ms4a1 Rat Monoclonal Antibody [Clone ID: AISB12]

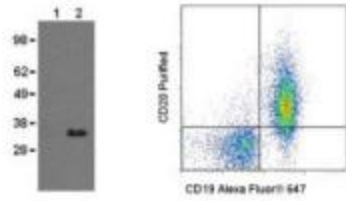
Product data:

Product Type:	Primary Antibodies
Clone Name:	AISB12
Applications:	FC, WB
Recommended Dilution:	Flow, WB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	membrane-spanning 4-domains, subfamily A, member 1
Database Link:	NP_031667 Entrez Gene 12482 Mouse P19437
Background:	The AISB12 monoclonal antibody reacts with mouse CD20. CD20 is a B cell-specific 32kDa membrane protein involved in intracellular calcium regulation. CD20 expression begins after the induction of CD19 during development, and is coexpressed with IgM during the pre-B to immature B cell transition in bone marrow. Expression then increases during maturation with almost all mature cells expressing some level of CD20. The human CD20 antigen has proven to be an effective immunotherapeutic target in B cell lymphoma and several autoimmune diseases including rheumatoid arthritis and type I diabetes. CD20 consists of 4 transmembrane domains and a 44 amino acid extracellular loop domain where AISB12 binds.
Synonyms:	B1; Bp35; CD20; LEU-16; MGC3969; MS4A2; S7

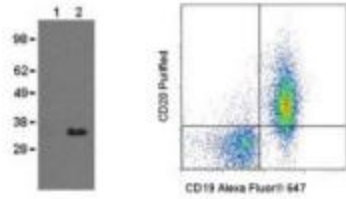


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Product images:



Left: Immunoblot of Balb/c thymus (lane 1) and A20 (lane 2) cell lysates with Anti-Mouse CD20 Purified.



Right: Staining of BALB/c splenocytes with Anti-Mouse CD19 Alexa Fluor 647 and 1.0 ug Anti-Mouse CD20 Purified followed by Anti-Rat IgG PE. Quadrant lines represent Rat IgG2a isotype control staining levels and cells in the lymphocyte gate were used for analysis.