CD269 / TNFRSF17 / BCMA (B-Cell Maturation Protein) Antibody

Mouse Monoclonal Antibody [Clone BCMA/2366]

Catalog No	Format	Size
608-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
608-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
608-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

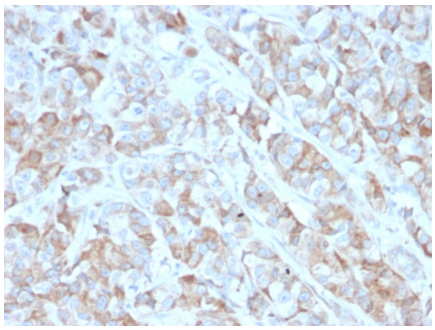
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

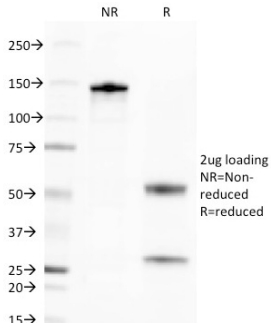
Clone	BCMA/2366
Gene Name	TNFRSF17
Immunogen	Recombinant human CD269 protein fragment (around aa 78-184) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	20kDa
Cellular Localization	Cell membrane, Endomembrane system
Species Reactivity	Human
Positive Control	NAMALWA cells. Tonsil or gastric carcinoma (IHC).

**Optimal dilution for a specific application should be determined.*

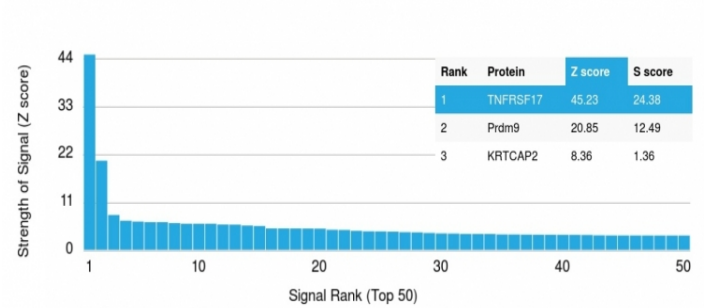
Product Images for CD269 / TNFRSF17 / BCMA (B-Cell Maturation Protein) Antibody



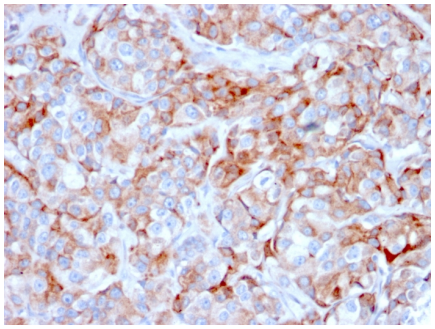
Formalin-fixed, paraffin-embedded human gastric carcinoma stained with CD269 / TNFRSF17 Mouse Monoclonal Antibody (BCMA/2366).



SDS-PAGE Analysis of Purified CD269 / TNFRSF17 Mouse Monoclonal Antibody (BCMA/2366). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CD269 Mouse Monoclonal Antibody (BCMA/2366) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human gastric carcinoma stained with CD269 / TNFRSF17 Mouse Monoclonal Antibody (BCMA/2366).

Specificity & Comments

The B cell maturation protein (BCMA) is a type I integral membrane protein that belongs to the tumor necrosis factor receptor (TNF-R) superfamily. It is expressed as a 184 amino acid peptide that is expressed only in mature B-lymphocytes and is located on the cis part of the Golgi apparatus. BCMA shares significant homology with TACI (transmembrane activator) within the cysteine-rich domain. TACI has been shown to bind CAML, which induces activation of NFAT (nuclear factor of activated T cells). Both BCMA and TACI have been shown to bind APRIL and TALL-1, which stimulate B cell proliferation in conjunction with other B-cell activators. When overexpressed, TALL-1 stimulates the development of systemic lupus erythaematosus (SLE).

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, AKT Signaling, B Cell Markers, Cytokine Signaling

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.