

36-2003: Monoclonal Antibody to CD269 / TNFRSF17 / BCMA (B-Cell Maturation Protein) (MHC II)(Clone : BCMA/2366)

Clonality :	Monoclonal
Clone Name :	BCMA/2366
Application :	ELISA,IHC
Reactivity :	Human
Gene :	CD269
Gene ID :	608
Uniprot ID :	Q02223
Alternative Name :	B-cell maturation protein; BCMA; CD269; TNFR17; Tumor necrosis factor receptor superfamily member 17 (TNFRSF17)
Isotype :	Mouse / IgG2c, kappa
Immunogen Information :	Recombinant human CD269 protein fragment (around aa 78-184) (exact sequence is proprietary)

Description

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).

Product Info

Amount :	20 µg / 100 µg
Purification :	Affinity Chromatography
Content :	Purified Ab with BSA and Azide at 200ug/ml
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C.

Application Note

ELISA (For coating, order antibody without BSA);,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

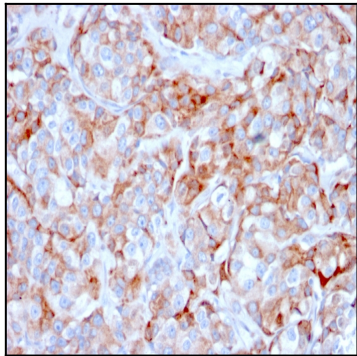


Fig-1: Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with CD269/TNFRSF17 Mouse Monoclonal Antibody (BCMA/2366).

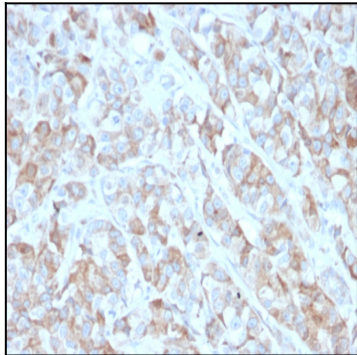


Fig-2: Formalin-fixed, paraffin-embedded human Gastric Carcinoma stained with CD269/TNFRSF17 Mouse Monoclonal Antibody (BCMA/2366).

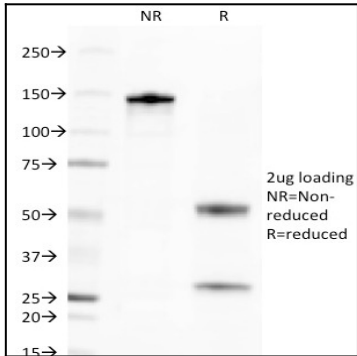


Fig-3: SDS-PAGE Analysis Purified CD269 / TNFRSF17 Mouse Monoclonal Antibody (BCMA/2366). Confirmation of Purity and Integrity of Antibody.

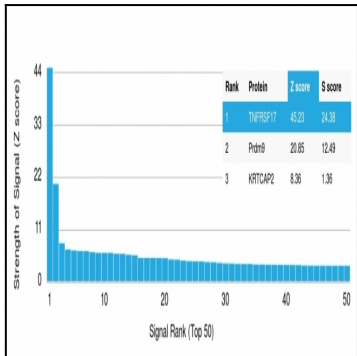


Fig-4: Analysis of Protein Array containing more than 19,000 full-length human proteins using CD269 Mouse Monoclonal Antibody (BCMA/2366) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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.