RD SYSTEMS a biotechne brand

Human Pentraxin 3/TSG-14 Antibody

Monoclonal Mouse IgG_{2A} Clone # 247936 Catalog Number: MAB18261

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Pentraxin 3/TSG-14 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 247936
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Pentraxin 3/TSG-14 Glu18-Ser381 Accession # P26022
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

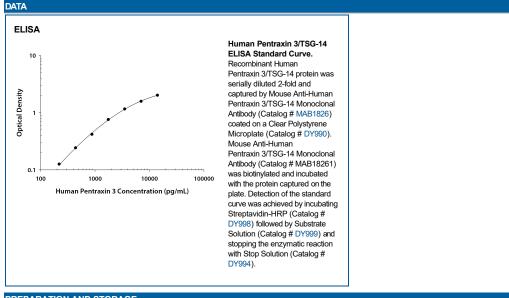
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

ELISA

This antibody functions as an ELISA detection antibody when paired with Mouse Anti-Human Pentraxin 3/TSG-14 Monoclonal Antibody (Catalog # MAB1826).

This product is intended for assay development on various assay platforms requiring antibody pairs. We recommend the Human Pentraxin 3/TSG-14 DuoSet ELISA Kit (Catalog # DY1826) for convenient development of a sandwich ELISA or the Human Pentraxin 3/TSG-14 Quantikine ELISA Kit (Catalog # DPTX30B) for a complete optimized ELISA.



PREPARATION AND STORAGE	
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

Rev. 1/31/2020 Page 1 of 2



Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956 USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373 Europe | Middle East | Africa TEL +44 (0)1235 529449



Human Pentraxin 3/TSG-14 Antibody

Monoclonal Mouse IgG_{2A} Clone # 247936 Catalog Number: MAB18261

BACKGROUND

Pentraxin 3 (PTX3), TSG-14, was initially identified as a TNF- α or IL-1 β inducible gene (1 - 3). It belongs to the pentraxin family, which was named originally for the homo-pentameric structure formed by its members (4). The pentraxin family is divided into two subfamilies: the "short" and the "long" pentraxins with approximate molecular weights of 25 kDa and 50 kDa, respectively. TSG-14 is a member of the long pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin I (NPI) and NPR, the human neuronal pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin I (NPI) and NPR, the human neuronal pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin I (NPI) and NPR, the human neuronal pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin I (NPI) and NPR, the human neuronal pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin I (NPI) and NPR, the human neuronal pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin I (NPI) and NPR, the human neuronal pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin I (NPI and NPR, the human neuronal pentraxin subfamily, which also includes the *Xenopus laevis* XL-PXN1, the guinea pig apexin/p50, the rat neuronal pentraxin (NPI and NPR, the human neuronal pentraxin (INPTX2) and the human neuronal activity-related pentraxin (5). Mature secreted TSG-14 contains a pentaxins (3). Unlike CRP and SAP, which forms pentamers only, TSG-14 forms both pentameric and higher ordered oligomers (5). Similarly to CRP and SAP, TSG-14 binds to the complement cascade component C1q (6). However, TSG-14 does not

References:

- 1. Lee, T.H. *et al.* (1990) Mol. Cell. Biol. **10**:1982.
- 2. Breviario, F. et al. (1992) J. Biol. Chem. 267:22190.
- 3. Lee, G.W. et al. (1993) J. Immunol. 150:1804.
- 4. Osmand, A.P. et al. (1977) Proc. Natl. Acad. Sci. USA 74:739.
- 5. Goodman A.R. et al. (1996) Cytokine & Growth Factor Reviews 7:191.
- 6. Bottazzi, B. et al. (1997) J. Biol. Chem. 272:32817.
- 7. Introna, M. et al. (1996) Blood 87:1862.
- 8. Altmeyer, A. et al. (1995) J. Biol. Chem. 270:25584.
- 9. Luchetti, M.M. et al. (2000) Clin. Exp. Immunol. 119:196.
- 10. Rovere, P. et al. (2000) Blood 96:4300.
- 11. Dias, A.A.M. et al. (2001) J. Leukocyte Biol. 69:928.
- 12. Rolph, M.S. et al. (2002) Arterioscler. Throm. Vasc. Biol. 22:e10-4.

Rev. 1/31/2020 Page 2 of 2



Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956 USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373 Europe | Middle East | Africa TEL +44 (0)1235 529449