



BMA BIOMEDICALS



Peninsula Laboratories

T-4107

Rabbit anti Substance P

Substance P is an undecapeptide resulting from the cleavage of Protachykinin-1 (Uniprot P20366) into several biologically active peptides. It is mainly secreted by neurons and is involved in biological processes like nociception and inflammation. Substance P mediates interactions between neurons and immune cells, with nerve-derived substance P modulating immune cell proliferation and cytokine production.

This antibody was generated by immunization of rabbits with Substance P coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

- Lot number:** A15547
- Host species:** Rabbit IgG
- Quantity:** 50µl
- Format:** Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
- Stability:** Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
- Applications:** This antibody has been tested and validated in ELISA against Substance P. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Please see www.bma.ch for protocols and general information.
- Immunogen:** Synthetic peptide H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH₂ coupled to carrier protein.

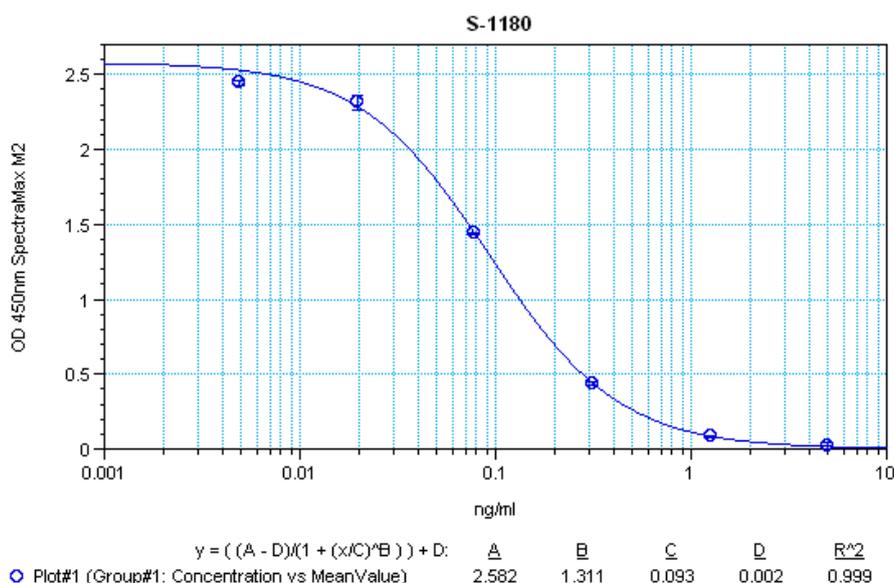
CROSS REACTION:

PEPTIDE	%
Substance P	100
Substance P (2-11)	100
Substance P (3-11)	100
Substance P (4-11)	100
Substance P (5-11)	100
Substance P (6-11)	<5

Cross-Reactivity (continued):

PEPTIDE:	%:
Substance P (7-11)	<0.01
Neuropeptide K (porcine)	<0.01
Neurokinin A	<0.01
Neurokinin B	0
Endothelin-1 (human, bovine, canine, mouse, porcine, rat)	<0.5
Physalaemin	0

Typical titration curve of anti Substance P in a competitive ELISA with this antibody:



Related Products:

- S-1153: ELISA, extraction-free for human samples
- S-1165: ELISA, extraction-free for rat samples
- S-1180: ELISA, high sensitivity, for extracted samples
- T-4105: diluted antiserum, host: rabbit
- T-4106: purified IgG from antiserum
- T-5018: diluted antiserum, host: guinea pig
- T-5019: neat antiserum, host: guinea pig

This product contains no preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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neat antiserum

28.7.2020