

Product datasheet for **TA353159**

Neutrophil Elastase (ELANE) Mouse Monoclonal Antibody [Clone ID: NP57]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NP57
Recommended Dilution:	IHC ; IHC ; IF ; IP ; WB
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Neutrophil granule proteins
Formulation:	PBS with 0.02% Sodium Azide
Purification:	Purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	elastase, neutrophil expressed
Database Link:	NP_001963 Entrez Gene 1991 Human P08246

Background: Human Neutrophil Elastase (HNE) belongs to the chymotrypsin family of serine proteases able to solubilize fibrous elastin, an important extracellular matrix protein that has the unique property of elastic recoil, and plays a major structural function in lungs, arteries, skin and ligaments. HNE is primarily located in the azurophil granules of polymorphonuclear leucocytes, but has also been detected in nuclear membrane, Golgi complex, ER and the mitochondria of these cells. The enzyme is involved in the tissue destruction and inflammation and implicated in numerous diseases, including emphysema, chronic obstructive pulmonary disease, cystic fibrosis, ischemic-reperfusion injury and rheumatoid arthritis.

Synonyms: ELA2; GE; HLE; HNE; NE; PMN-E; SCN1



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Note: This cell line has not been weaned out of HAT. Ultrosor G can be used at 1% if the cells are not growing well.

Protein Families: Protease, Transmembrane

Protein Pathways: Systemic lupus erythematosus