



Hi-Affi™ Human Anti-Human HTRA1 Monoclonal antibody, clone 15H6.v4 (DMAB-CDB25955)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Fab15H6.v4 binds to the distant LoopA of the HTRA1 trimer and inhibites both HTRA1FL and HTRA1PD by >90%.
Specificity	Fab15H6.v4 binds to the distant LoopA of the HTRA1 trimer.
Target	Human HTRA1
Immunogen	Human HTRA1
Isotype	IgG
Source/Host	Human
Species Reactivity	Human
Clone	15H6.v4
Purification	>90% determined by SDS-PAGE
Conjugate	Unconjugated
Applications	Suitable for use in SPR, Crystallography, EM. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid
Concentration	lot specific

Size	200 µg, 1 mg
Buffer	PBS (endotoxin < 1EU/mg, lower endotoxin levels may also be offered upon request)
Preservative	None
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles.
Ship	Dry ice

BACKGROUND

Introduction	HTRA1 is a secreted protease composed of an N-terminal IGFBP-domain, a Kazal-like domain, a central trypsin-like serine protease domain and a C-terminal PDZ domain. There are four closely related HTRA family members in humans, HTRA1-4, all of which share a conserved protease domain and have been implicated in various pathologies. HTRA1 itself cleaves a plethora of substrates and is linked to several pathogenic and developmental processes, including cerebral autosomal recessive arteriopathy with subcortical infarcts and leukoencephalopathy (CARASIL), AMD, Alzheimer's disease, osteoarthritis, neuronal development, and tumor progression.
Keywords	High temperature requirement A1; HTRA1; HtrA serine peptidase 1; PRSS11