



# 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

<b>Product Overview</b>	Fab15H6.v4 binds to the distant LoopA of the HTRA1 trimer and inhibites both HTRA1FL and HTRA1PD by >90%.
<b>Specificity</b>	Fab15H6.v4 binds to the distant LoopA of the HTRA1 trimer.
<b>Target</b>	Human HTRA1
<b>Immunogen</b>	Human HTRA1
<b>Isotype</b>	IgG
<b>Source/Host</b>	Human
<b>Species Reactivity</b>	Human
<b>Clone</b>	15H6.v4
<b>Purification</b>	>90% determined by SDS-PAGE
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	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.
<b>Format</b>	Liquid
<b>Concentration</b>	lot specific

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

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	High temperature requirement A1; HTRA1; HtrA serine peptidase 1; PRSS11