# Product Datasheet

## Fas/TNFRSF6/CD95 Antibody (R-125224) [Alexa Fluor™ Plus 405]- Chimeric

## NBP2-81113AFP405

Unit Size: 0.1 ml

Store at 4C in the dark.

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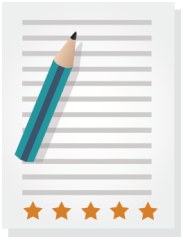

# NBP2-81113AFP405

Fas/TNFRSF6/CD95 Antibody (R-125224) [Alexa Fluor™ Plus 405]- Chimeric

| Product Information | |
|---|---|
| **Unit Size** | 0.1 ml |
| **Concentration** | Please see the vial label for concentration. If unlisted please contact technical services. |
| **Storage** | Store at 4C in the dark. |
| **Clonality** | Monoclonal |
| **Clone** | R-125224 |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG Kappa |
| **Conjugate** | Alexa Fluor Plus 405 |
| **Purity** | Protein A purified |
| **Buffer** | 50mM Sodium Borate |

| Product Description | |
|---|---|
| **Host** | Rabbit |
| **Gene ID** | 355 |
| **Gene Symbol** | FAS |
| **Species** | Human |
| **Specificity/Sensitivity** | R-125224 binds to the extracellular portion of human Fas/TNFRSF6/CD95 at an eptiope consisting of the sequence RTQNTKCRCK (aa 105-114) (pmid: 11754745). Fas is a type I membrane protein which belongs to the tumor necrosis factor (TNF) receptor/nerve growth factor (NGF) receptor superfamily. It is able to transduce apoptotic signals into the cell when bound by its ligand FasL (Fas ligand), which is primarily expressed in activated T lymphoid-myeloid lineage cells, in the eye, in reproductive organs and in some tumors. The Fas-FasL system is known to play an important role in maintaining the immune system as mice with Fas-defective lymphoproliferation (lpr) and FasL-defective generalized lymphoproliferative disease (gld) mutations develop massive lymphadenopathy and autoimmune diseases. |
| **Immunogen** | R-125224 is generated by the humanization of the murine HFE7A anti-Fas/TNFRSF6/CD95 antibody by grafting the CDR regions to the framework regions of the human 8E10 antibody and substituting key framework residues from the murine antibody into the 8E10 sequence. The original HFE7A was derived from a hybridoma cell line generated by the fusion of NS1 myeloma cells with splenocytes from Fas-deficient mice which had been immunized with partially purified recombinant human Fas-AIC2A chimera protein consisting of the extracellular region of human Fas/TNFRSF6/CD95 antigen (aa -16 to 150) and the extracellular region of the murine IL-3 receptor AIC2 (aa 3-423). The HFE7A hybridoma was selected after screening by flow cytometry for the production of antibodies with the ability to bind to the WR19L12a transformed murine T cell lymphoma cell line expressing human Fas/TNFRSF6/CD95 or the L5178YA1 cell line expressing murine Fas/TNFRSF6/CD95, but not to the parental WR19L or L5178Y cells. |

| | |
|---|---|
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## Product Application Details

| | |
|---|---|
| **Applications** | Western Blot, ELISA, Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence |
| **Recommended Dilutions** | Western Blot, Flow Cytometry, ELISA, Immunocytochemistry/ Immunofluorescence, Functional |
| **Application Notes** | Optimal dilution of this antibody should be experimentally determined. |

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